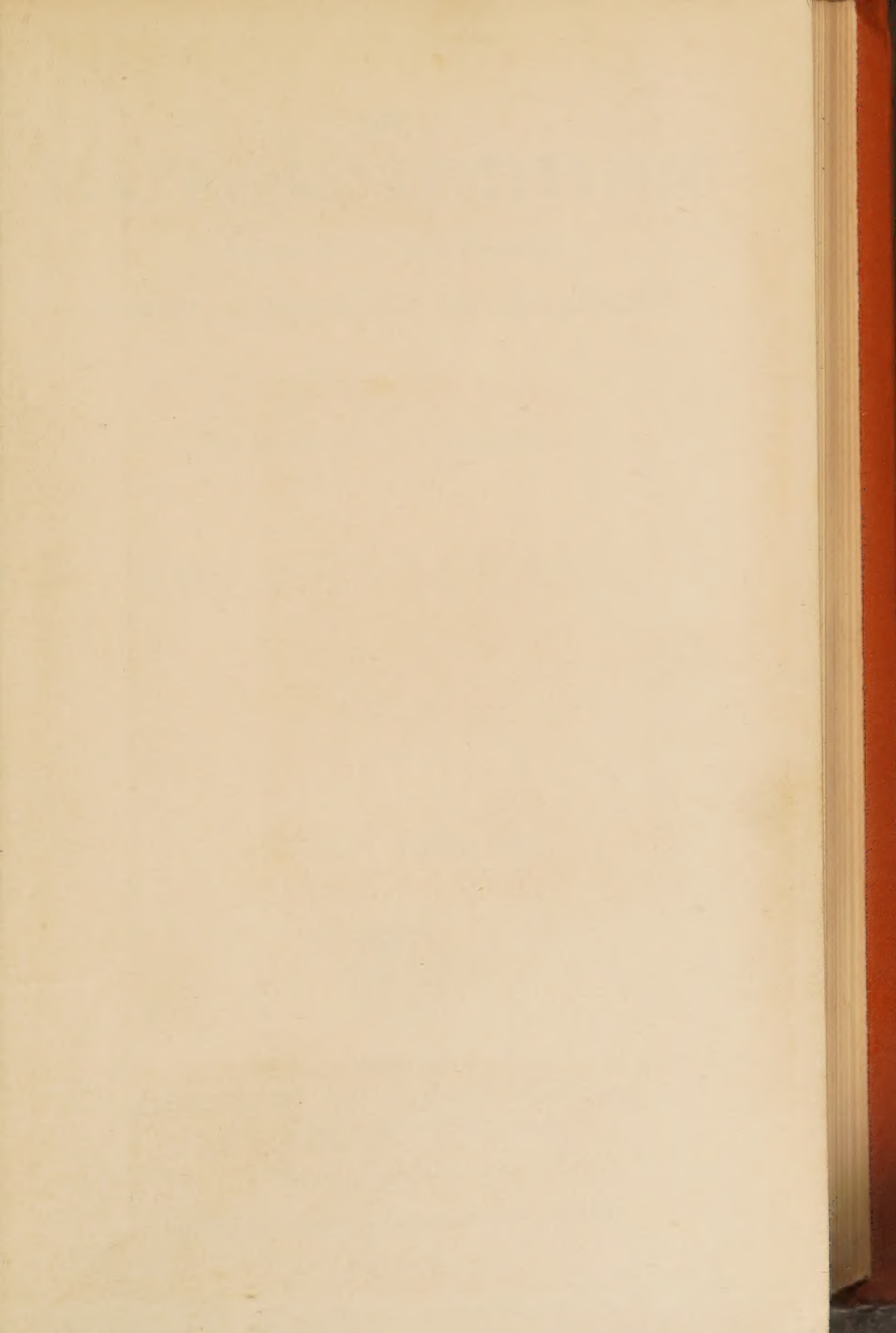
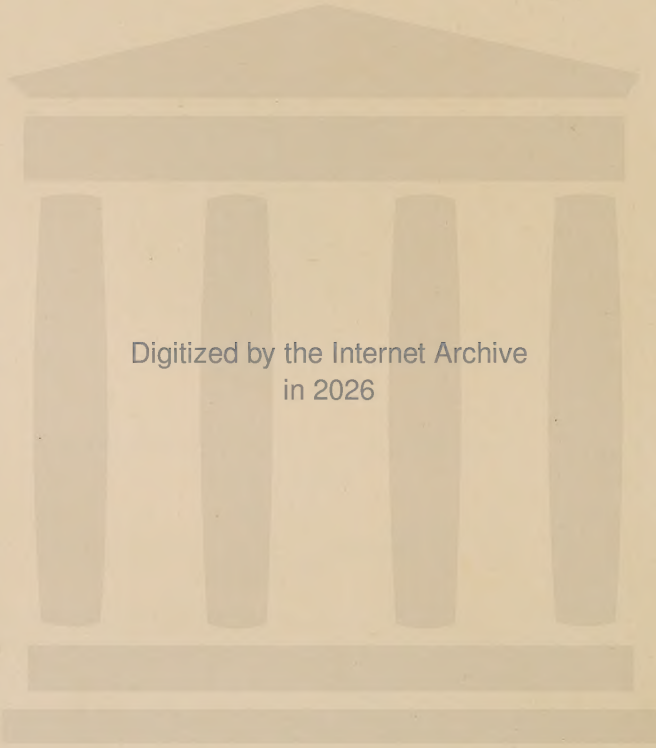


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THE
SURVEYORS' INSTITUTION

(Incorporated by Royal Charter),

12, GREAT GEORGE STREET, WESTMINSTER, S.W.

PATRON :

HIS MAJESTY KING GEORGE V.

TRANSACTIONS.

VOL. LIV.

SESSION 1921-1922.



LONDON :

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OFFICERS, 1921-1922.

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W. EDGAR HORNE, M.P. (London)	

Honorary Secretary.

A. NORMAN GARRARD.

Secretary.

ALEXANDER GODDAARD, C.B.E.

* On Mr. SABIN'S death in March, 1922, Mr J. MCCLARE CLARK was elected President for the remainder of the session.

List of Standing Committees.

Composed of Members of Council and Provincial Chairmen.

BUILDING.
COUNCIL SELECTION.
COUNTY DISTRICTS AND COUNTRY
MEETINGS.
DINNER.
EDUCATION.
ELECTIONS.
FINANCE.

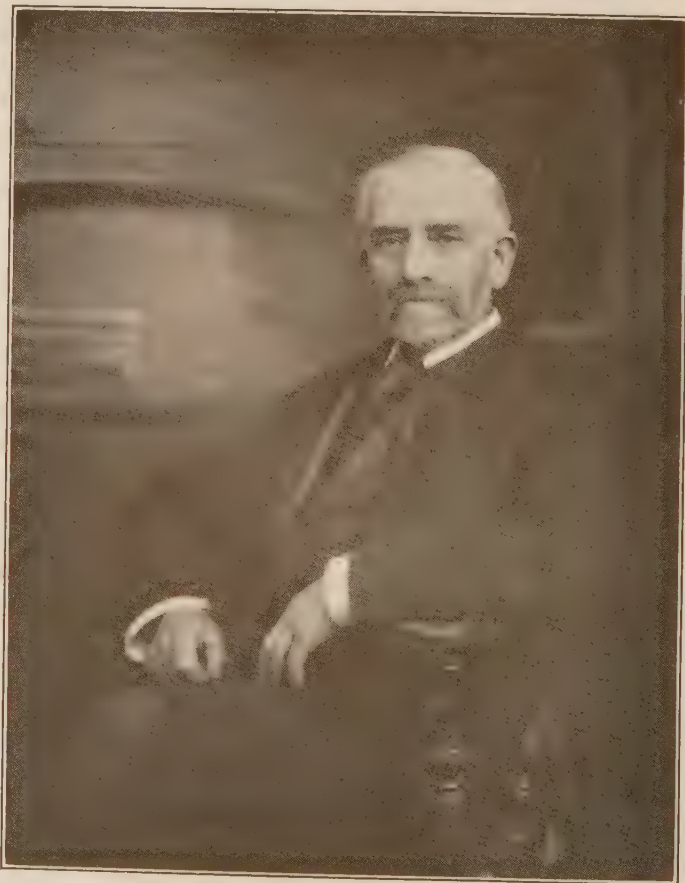
FORESTRY.
LIBRARY AND SESSIONAL PAPERS.
MINING SURVEYORS.
PARLIAMENTARY BILLS AND
GENERAL PURPOSES.
PROFESSIONAL PRACTICE.
QUANTITY SURVEYORS.

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1868 *John Clutton*
1870 *Richard Hall*
1872 *Edward Norton Clifton*
1874 *Thomas Huskinson*
1876 *Edmund James Smith*
1878 *William Sturge*
1880 *Edward Ryde*
1883 *Thomas Smith-Woolley*
1885 *Edward T'Anson*
1886 *William James Beadel, M.P.*
1888 *Elias Pitts Squarey*
1890 *Robert Collier Driver*
1892 *Charles John Shoppee*
1894 *Thomas Chatfeild Clarke*
1895 DANIEL WATNEY
1897 *Christopher Oakley*
1898 *Robert Vigers*
1899 *Thomas Miller Rickman*
1900 *John Shaw*
1901 *Sir John F. L. Rolleston*
1902 ARTHUR VERNON

1903 *Albert Buck*
1904 *Herbert Thomas Steward*
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1906 *George Langridge*
1907 *Thomas Taylor Wainwright*
1908 HOWARD MARTIN
1909 SIR ALEXANDER ROSE STENNING
1910 LESLIE ROBERT VIGERS
1911 W. EDGAR HORNE, M.P.
1912 HON. EDWARD GERALD STRUTT
1913 *W. Edward Woolley*
1914 *Howard Chatfeild Clarke*
1915 JOHN HENRY HANSON
1916 RT. HON. GEORGE FRANCIS
STEWART
1917 ARTHUR LYON RYDE
1918 SIR JOHN HUBERT OAKLEY
1919 *Andrew Young*
1920 JOHN WILLMOT
1921 *Joseph Henry Sabin*

(The names of those deceased are printed in italics.)



JOSEPH HENRY SABIN,

President,
1921—22.

TRANSACTIONS OF The Surveyors' Institution.

SESSION 1921-1922.

PAPER 464.

THE OPENING ADDRESS.

By Joseph Henry Sabin (President).

*Read at the Ordinary General Meeting of The Surveyors'
Institution, 14th November, 1921.*

As the fortieth President of The Institution I necessarily find it difficult to express by any original phrases my indebtedness to my fellow-members for permitting me to occupy so honoured a position, but I may be allowed to say that I realise as much as any of my predecessors that the position demands adherence to the high standard which the early Presidents set up in the discharge of duties to be rendered both to the members of The Institution and to the public. The fact that from the lower rungs of the professional ladder one has secured the confidence of one's compeers should assure the younger members unprovided with exceptional advantages in their early career, that an honest devotion to professional duties, a spirit of inquiry, and willingness to help, and to be helped, will secure legitimate recognition in our profession as much as in any other branch of work. With the assured co-operation of my colleagues on the Council and of my fellow-members, no effort of mine shall be wanting during the remainder of my year of office to maintain the position to which the energy, probity and

ability of Past-Presidents have raised the occupancy of this Chair.

I may with propriety, as the first note in my Address, refer to the fact that, arising out of the late pleasant and successful visits to Norwich and Sandringham, His Majesty the King has graciously consented to become the Patron of The Institution. The members will, I am sure, have seen the announcement with gratification.

It is a further testimony to the position which The Institution enjoys in public esteem that the President should have been invited by the Chancellor of the Exchequer to act with Mr. Edgar Horne, M.P., a Past-President, under the chairmanship of Lord Sumner, on the Royal Commission for Compensation for Suffering and Damage by Enemy Action, involving the distribution of £5,000,000 received, or to be received, from Germany.

Although, perhaps, the time has not yet come when any authoritative statement can be made on the subject, so much interest has been shown by members in the attitude to be adopted by The Institution towards the newly established College of Estate Management that I feel that some reference thereto may be looked for in this Address.

It will be remembered that this question provided the principal subject of discussion at a conference of chairmen and hon. secretaries of County Branches in May last, when an opinion favourable to co-operation by The Institution was expressed. This opinion has since been acted upon, and I am now in a position to report that The Institution is now acting in conjunction with the Auctioneers' and Estate Agents' Institute in petitioning His Majesty for a Royal Charter for the College.

Until the result of this petition is known it would, I think, be premature to say more, but it would not, perhaps, be going too far to state that the two bodies were acting together in accord in this matter, and are very hopeful that their joint petition may be granted.

It may also interest members to know, as an incidental matter connected with the President's duties, that since the appointment of official arbitrators under the Acquisition of

Lands (Assessment of Compensation) Act, the Reference Committee have made about 335 nominations for the settlement of matters arising under the terms of the statute.

The official arbitrators, Mr. Howard Martin and Mr. J. D. Wallis, may be congratulated on the fact that their decisions have been readily acquiesced in by the various parties concerned.

The panel of arbitrators to be prepared by the Lord Chief Justice under the Agriculture Act, 1920, has only just been completed, and in the interval the President for the time being has been called upon to nominate umpires in a number of cases requiring settlement under the now repealed Corn Production Acts. It would appear that the method of submitting differences to settlement by a single arbitrator nominated by an independent party is recommending itself to disputants. In matters connected with the profession the President has on many occasions been requested to make such appointments, and the requests afford valuable testimony, if it were needed, to the belief in the entire disinterestedness of the President for the time being. The probability of a competent man, unbiased by the urgent representations or the preconceived views of interested parties, coming to a just conclusion is quite equal to the probability of an umpire being right after hearing the statements of two parties who may, under force of circumstances, be inclined to take views in consonance with the hopes rather than with the exact rights of their respective clients. In the early *Transactions* of The Institution I find many suggestions that in agricultural matters such a course might well be adopted, and the method has been embodied in more than one recent Act.

Although my association in professional life has been closely with its agricultural side, the fact that my first employer, Mr. Edmund James Smith, and his successors in the firm, have been agents for the extensive northern estates of the Ecclesiastical Commissioners has afforded unusual opportunities for gaining experience in all branches of management of real property, while it has enabled one to mark with interest the changing views of Parliament in

regard to intervention in the control of farming and other cognate affairs.

The recent dramatic repeal of the first part of the Agriculture Act of 1920 constitutes a record not only in parliamentary proceedings, but in change of policy with regard to the subject-matter. Protests were made against the provisions of the 1920 Act from many sides, and similar protests have been made against the Repeal Act, but from opposite quarters. While the agricultural worker has been placated to a great extent, it cannot be said that the employer has received compensation for the loss of the promised years of guarantee. This speedy reversal of policy affords proof that it is much easier to make a promise founded on theory than to fulfil it when stubborn facts have to be faced. The accuracy of the principles found uniformly recorded in our *Transactions*, that in business, which the ordinary politician does not understand, the less interference the better, has been verified. It is true our friends of the past were not always accurate in their conclusions. This is not to their discredit, since no one forty to fifty years ago could have divined the course of recent events, but there were as critical days then as there are now, and principles remain the same. It was once assumed, for instance, that agricultural wages having increased to from 16s. to 18s. per week, or more in the highest districts and for the best men, the summit had been reached and a permanent line drawn, inasmuch as at any higher rate it would not be possible to farm at a profit. This conclusion was coupled with an opinion that the work was not so well done, nor were the men as a rule so interested in their work, as in past times. Whether or not this was and is the case I will not pause to discuss; it may be, as is ironically said of *Punch's* jokes, that they are not so good as they used to be, and never were. If employers are allowed to be the judges we may go a long way back and find a similar complaint, for Mr. Pepys, under date of the 12th February, 1660, says: "Looking after my workmen whose laziness do much trouble me." Possibly something in the master may be responsible for the conduct of the man. "The master's eye is better than his heels" said Xenophon many years ago,

and it is common experience that when an employer knows precisely what a man should do by his own practical knowledge, he has much more control over his men. Says good Thomas Tusser :—

“ Such mistress, such Nan,
Such master, such man ” ;

or—

“ Such master, such man, such mistress, such maid,
“ Such husband and huswife, such houses arraid.”

Whether the new Conciliation Boards will enable farmers to employ all the labour necessary to cultivate the land profitably by adjusting wages to a scale that will still give proper subsistence to the men, remains to be seen. It is certain that high wages, fixed arbitrarily without regard to the fund from which they are to be paid, can end only in the reduction of the labour bill to the lowest possible amount by which farming can be carried on at a profit. Labour cannot have cheap food and artificially inflated pay. Again and again in our *Transactions* we find it urged that if we are not to have protection in some form, the cultivation of corn must be abandoned in favour of pasture-fed beef and mutton, that is if labour cannot be paid for by corn growing; while warning is given that that would happen which came to pass in 1914, when war interfered with our foreign supply. I am not a protectionist. My views set out in Papers I have written are those of all who face the facts. Neither farming nor any other business will be carried on without reasonable expectation of profitable return, and in farming under ordinary conditions there is no guarantee of this result. The growth of wheat and other expensive crops on heavy land, subject to uncertain returns by reason of uncertain climatic conditions, must diminish. Machinery is doing something and must do more to relieve the situation, but it cannot produce wheat in the absence of sunshine, and however much may be accomplished by research in the eradication of disease in cereals, producing corn strong in straw and rain resisting, there must be a limit to such resistance in any form of crop when really bad meteorological conditions are experienced. In more than one Presidential

Address reference is made to clever but uninformed folk who treat farming as an exact science which—given certain equations and elements—is guaranteed to give absolute results. Neither soil nor weather is a constant factor, nor can prices be fixed by the cleverest profiteer. 1879 and 1880 are black years in the memories of some of us. An example of the conditions which had to be faced is found in the recorded rainfall in the important area drained by the River Witham. Within this area there is to be found some of the best corn-growing land in the kingdom. The hay and corn harvest of 1880 was spread over five months during which time the rainfall was 24 inches, or two and a half times the average. On five successive days there fell 424 tons of rain per acre. This year the hay and corn harvests were practically finished by August 21st, or under three months, and the rainfall was under 4 inches. The district in question was neither the wettest in 1880 nor the driest in 1921. Mr. Healey Johnson, the engineer to the Witham Drainage Board, has kindly supplied me with the details of the present year. The English farmer is sometimes reproached for lack of intelligence, but no intelligence is proof against the vagaries of the English climate, nor can it compensate for the loss of the benign influence of the sun. The common-sense of the matter is summed up by Mr. Edward Ryde at the end of an important discussion when he said, “No one can farm here “ or in any other country without good weather.”

In Volume XII. of the *Transactions*, p. 142, will be found figures relating to rainfall and the relation to yield recorded by Mr. Thomas Huskinson as follows :—

Year.	Rainfall at Nottingham per acre in inches.	Yield per acre.
1870	17·9	4·50
1872	35·9	3·43
1875	31·7	3·00
1878	28·8	2·78

The loss of capital during the years of the deepest depression was reckoned at tens of millions, and although some distress doubtless could be attributed to occupiers having taken larger areas of land at higher rents than wise forethought justified, neither science nor prudence could have converted the loss into profit.

A passing reference may be made to another matter akin to the repeal of Part I. of the 1920 Act. I mean the somewhat scant courtesy shown to the Agricultural Council for England set up under a recent Act. Of this body much was expected, and notwithstanding the apparent rebuff it has received, it is to be sincerely hoped that the Council will not abate its interest in its work, but will be ready to give advice on the many important questions that are likely to arise within the next few years. Those who have had experience of other consultative or advisory councils will not be surprised that occasionally their recommendations are found inconvenient to the parliamentary or departmental officials concerned. At some later date their work may bear fruit. It will be granted that recent circumstances have raised a question as to the Government's sincerity in creating a body whose advice it would, it seems, have rejected. There cannot be any doubt that the Council would have required much stronger evidence than has been forthcoming before it recommended the total repeal of Part I. of the 1920 Act.

It is startling to compare the cost of farm labour now with that of even seven years ago. Then in the greater part of England the labourer was content. It is greatly to be regretted that any of his advocates should refer to his pre-war position as "horrible." It is certain that a rise in general prices has come to stay, as other similar rises have done since mutton was a few pence per pound, and this must result in a rise in wages. But while at one time the principal question for an intending tenant was the amount of the rent which could be paid, the important question now is—What will the labour bill amount to? Speaking generally, while rents have been increased by about 50 per cent., the labour account has increased by 250 to 300 per cent.

I have founded these remarks to a considerable extent on the *Transactions* of The Institution. Our recent President, Sir John Oakley, referred in his Address to the progress of The Institution, and to its past records in events. I desire to draw further attention to the important part which the *Transactions* have played in that history and progress. In perusing some of the earlier of the fifty-three completed volumes, one is struck with the variety and virility of the contributions and the earnestness with which the subjects were debated. The subject from which I have quoted Mr. Huskinson's figures was discussed for five nights, and the report covers 143 pages. It was natural that the leading founders of The Institution, being men more immediately concerned in the management of, or associated with, agricultural properties, should concentrate their attention on relative subjects, and in the earlier years too the vicissitude of agriculture interested the town surveyor as much as his provincial brother, but the broader outlook of the surveyors' profession was recognised in the first series of Sessional Papers. The subjects include "The Education of the Surveyor," "The Future of Railways," "Industrial Dwellings," "Town Sewage," "Dilapidation Practice," and "Assessments," as well as academic subjects such as Valuation Tables and Economic Rent problems. The principles advocated by such authorities as John Clutton, Edward Ryde, Edmund James Smith, James Beadel, and Thomas Smith-Woolley, and many others their equals, and by James Martin, among the foremost of Lincolnshire agricultural valuers, are of a fundamental character and the result of unrivalled experience and wide practice. It is greatly to be regretted that there has been any departure in legislation from some of these principles. It may be true that their anticipations in some respects have not been realised, and in this fact we have confirmation that it is necessary to know before we venture to prophesy, but the principles laid down forty-five years ago are true to-day.

The advocacy of the production of beef and mutton instead of cereals has been strongly held and at times

strongly deprecated. The anticipated early exhaustion of the virgin soil of America did not compel us to grow wheat from necessity until war burst upon us, although the States are in expectation of becoming competitors with us for the produce of other wheat-producing countries. The time has long passed since the poet's appeal :—

“Ye generous Britons, venerate the plough,
And be the exhaustless granary of the world” ;

and we must be large importers under any conditions of farming.

Mr. A. D. Wells, a farming landowner of wide experience, will be found to have contributed useful Papers on cost of productions, &c., and his calculations were probably correct at the time. They are still useful as a formula from which to work, but they are sadly at fault now. When The Institution was founded, the high prices of the Russian War period had passed away, but a time of reasonable prosperity had arrived. Tenants were prepared to take leases at the moderately high rents at which good farms readily let, and when they had the opportunity of transferring their options to purchase to another, or, if owners, were enabled to take more land by selling their small properties, they willingly agreed to pay £3½ per cent. to £4 per cent. on the purchase money as rent, while other owners were prepared to add to their estates with such security. The arrangement finds advocacy among the contributors to the *Transactions*, who realised that it was a sound one under which one man employed his capital at £8 per cent. to £10 per cent. while another was satisfied with a yield equal to Consols. But all things seen are transient, and even earth is not solid. The losses that followed and that would have fallen on the vendor fell in part on the purchaser, and the £8 or £10 per cent. vanished.

For the tranquillity of the earlier seventies there was substituted the stormy experiences of later years when, with Consols rising in price, agricultural land became almost unsaleable. The yield and quality of cereals were poor, sheep-rot decimated the flocks, labour was more abundant

than could be employed, and stock dropped to entirely unprofitable prices. A letter written by Mrs. Hole, the wife of the late Dean Hole, to a member of my firm is indicative of the state of farming affairs as late as 1886: "Wages are very low, 12s. per week, and only 10s. in some places. "There never has been such a bad time, yet it is impossible "for farmers to employ men at present prices. They are "selling beef every Saturday at from $2\frac{1}{2}d.$ to $3\frac{1}{2}d.$ a pound "in Newark market, but the poor man cannot buy even at "that price without money, and it is ruining the producer "as fast as it can."

This ebb and flow—or rather flow and ebb—in farming affairs finds recognition in the *Transactions*, and discussions were renewed on the various Agricultural Bills and Acts on Tenant's Improvements, Farming Agreements, and kindred subjects. In almost all these debates there is an earnest recognition of the tenant's side of the case—evidence, if any were needed, that The Institution as a whole, as well as the individuals composing it, have stood for absolute impartiality in all the relations between landlord and tenant, a character The Institution was wrongly not credited with in certain quarters, while the claims of the farm worker to adequate pay has been equally advocated.

That a variety of ownerships is almost essential to the stability of a country has been strongly held by some of our leading men, and one cannot but recognise that where there is a prudent regard to financial considerations, the man who cultivates his own land may be assumed to occupy a higher social position than another who is liable to be ejected from his home. This opinion has been held along with abundant recognition of the need for small holdings held by occupiers, and for allotments on suitable land.

The permanent result of the recent turnover in ownership by the breaking up of large estates, the sale of ecclesiastical, hospital and college and school properties, cannot at present be predicated. That in many cases where tenants have purchased at reasonable prices and with ready money the desired result may accrue, one may not only devoutly hope, but also believe. It is to be feared that where purchases

have been made in self-defence, at high prices and with borrowed money, there are anxious times before a large number of now occupying owners. That the opportunity of selling at high prices was seized is certainly to the good in the case of a certain class of owners, but the necessity for selling in other personal cases in order to meet charges, pay estate duty, or reduce the expenses in consequence of increasing taxes and cost of living, is, in my individual opinion, greatly to be regretted. It is not possible at present to ascertain with any approach to accuracy the area of land which has changed hands during the last three years. Published figures do not discriminate between properties that have changed hands once only, from owner to occupier, from those which have passed through the hands of speculators and land-jobbers more than once. Comparatively accurate figures may be obtained as to certain properties. It would be interesting if some member qualified to obtain the information could be induced to ascertain the facts as nearly as possible, and to give the comparative areas of estates sold, the division into farms as purchased, and the prices realised per acre. The effect of recent operations has been twofold: To increase considerably the number of landowners, and to find money for Government and other funds to the extent that the purchase money has been forthcoming from more recent uninvested savings, and has not been the mere transfer of money from one party's pocket to that of another.

That in some respects the transfer of land to a number of smaller owners will give stability to views on land problems is the ground for the advocacy of such movements by many speakers in past discussions, but when one remembers the tragic change from a period when small owners hastened to divest themselves of their land and to become occupiers under responsible landlords, to a period when owners were at their wits' end to let or manage a large proportion of their farms, one cannot but view with concern the possibility of a recurrence of disaster in cases where the new men have bought imprudently.

That the ordinary holder of a parochial benefice is not

usually qualified to manage agricultural land is not more than would be admitted by most of the clergy, and that there are many disadvantages to the tenant of glebe land is generally admitted, although one drawback has been removed by the Agriculture Act in its repeal of the "Apportionment Act," under which the tenant of a limited owner was liable to disturbance at the end of the year of tenancy during which the owner for life died. A tenant under such limited owner is now entitled to notice to quit before giving up possession, and, I suppose, becomes entitled to compensation for disturbance. During the good years up to the early seventies there were frequent sales of glebes, usually to patrons or adjacent owners, at more than the bare market value. Sales slackened in the bad years, but the late movement has had its influence on ownership of glebe land, and, among other advantages, has partially disposed of the vexed question of "ecclesiastical dilapidations," the subject of another valuable paper in the *Transactions*.

No general correct return of glebes in the possession of parochial incumbents had been made until 1887, when one was obtained on the motion of Mr. Stuart Wortley (now Lord Stuart of Wortley). This return includes the figures from about 9,500 livings, and, omitting the Isle of Man, gives a total of 659,000 acres.

From this total something must be deducted for plots necessary for the convenience of the occupants of parsonages, leaving, say, about 640,000 acres available for sale. Of this area it is estimated that about 326,300 acres have been sold since 1887, of which rather less than two-thirds have been conveyed with the Ecclesiastical Commissioners' consent, and the remainder under the powers of Queen Anne's Bounty, and under Lord Salisbury's Glebe Sales Act through the Ministry of Agriculture. The figures kindly supplied to me by the last department are interesting, and are as follows:—

—	Acreage sold.	Purchase Money.	Average Price per Acre.
1889-1914	42,081	£ 1,969,817	£ s. 46 8
1915	2,128	73,721	34 6
1916	2,260	68,299	30 2
1917	2,568	84,013	32 7
1918	13,190	425,939	32 3
1919	23,460	697,700	29 7
1920	25,943	858,213	33 0
6 months of 1921	5,749	214,070	37 2
—	117,379	£4,391,772	£37 4

The gross estimated rental of the 659,000 acres was £908,000, of which about £28,000 was from houses and ground rents; but if one may draw a general inference from individual cases, the net rentals in the immediately following years could not have been more than £700,000. The average prices realised during early years, when the purchasers were usually patrons or owners of adjacent properties, may be assumed to be £45 per acre. Later sales have been at higher rates in favoured districts such as North Cambridge and South Lincolnshire, but somewhere near £40 an acre may be assumed as an average. If this be so, the total receipts may be also assumed to be from £12,000,000 to £13,000,000, and with an average return of 4 per cent. this would represent an income to the incumbents concerned of over £500,000 from first-class securities instead of from land. I pursue the inference no further.

Moved by the same considerations that influenced other semi-public bodies, the Ecclesiastical Commissioners announced in a recent report their intention of disposing of 50,000 acres of their estates. Originally intended to provide among other things for the endowment of the bishoprics with lands in possession instead of from income derived

from the ruinous system of fines on the renewal of beneficial leases, the estates under the Commissioners' management have included all the Episcopal Endowment lands, inasmuch as the bishops had the option of taking their full statutory income instead of income from land and tithe-rent charge. At the present time it would require extreme optimism to induce anyone to accept as an equivalent for a guaranteed income an uncertain income derived from agricultural land, although the figures in the Episcopal Acts assumed to be adequate for a bishop's responsibilities can scarcely be accepted as adequate now. It is extremely satisfactory to know that by far the greater part of the 50,000 acres has been purchased by the Commissioners' tenants.

But while problems relating to the agricultural use of land were discussed at length during certain periods, it is to be noted that in the earlier years of The Institution the larger outlook of the surveyor was fully appreciated, and papers and discussions of great interest included among other technical subjects more than one on sewage disposal. It would appear that humour could be imparted to so very commonplace a subject as this when the advocacy of the use of London sewage for fertilising purposes is supported by a piece of rhetoric I will venture to reproduce both on its merits and as an interlude in my Address :—

“It is the unfounded superstition this phantom, this ‘baseless fabric of a vision’ (that it would not pay to utilise town sewage for agricultural purposes), “which stands in the way of universal utilisation of sewage; which sends four hundred and five millions of quartern loaves of bread floating down our rivers every year; which keeps up a constant drain of gold or its equivalent; which sends our ships thousands of miles to search for that food which we ought to produce at home; which compels us to ransack the uttermost parts of the earth for manure to partially replace that which we throw away; and which makes us depend for our principal fertilising agent upon the limited and ever-decreasing deposits of manure left for the benefit of a

reckless and perverse generation by the considerate charity of past races of thoughtful and provident penguins."

Returning to more technical subjects, had the Prime Minister, when Chancellor of the Exchequer, studied our *Transactions* and the Papers and addresses bearing on the questions affecting the economics of taxation, I am inclined to think he would not have been led so far astray and would have been spared the humiliation of seeing the curiously constructed Finance Act of 1909-1910 swept away. Neither increment value, undeveloped land duty, nor reversion duty would have been heard of, nor the jargon of site value, total value, or any other value than market value. But we must apply the proverb here at least, and speak no ill of the dead. If to surveyors the Act gave many a weary hour for the interpretation of its terms, there was some solace in the receipt of remuneration therefor, although I am safe in saying that no surveyor in accepting such fees was satisfied that his client had received adequate benefit in return. If there is one element more than another which makes the receipt of fees a pleasant process it is the assurance that money has been earned for the benefit of the payer. It is earnestly to be hoped that the renewed agitation for raising money from so-called land values may be promptly checked. Should it proceed, The Institution should do all in its power to show the futility of the proposal.

One is impressed in perusing the *Transactions* with the open-hearted manner in which leading members imparted their then experience in the branches of the profession in which they had become particularly expert. Whether it is the rating of railways or country mansions, timber classification, measuring and valuing, tenant-right, reversionary interests, surface geology, mines, minerals, and numerous other subjects, all the information is placed at the disposal of members, and this early example, it is right to acknowledge, is still loyally followed, and it is hoped will continue to be followed in the future.

The technical side of a valuer's duties are dealt with in

Papers which ought to be studied by every applicant for membership. The mind of Mr. William Mathews of Birmingham was eminently qualified to deal with the technique of valuation figures, while it is a mental exercise to follow the discussion on the method of calculating reversion values and the copyhold enfranchisement tables which will be found in the discussion on Papers by Mr. l'Anson, Mr. Edward Smyth, and others.

No one more persistently advocated the redemption of tithe rent-charges and the extinction of copyholds than Mr. Edward Ryde. The complete attainment of the first is not reached, but Mr. Ryde's scheme has been partially adopted recently, although not so fully to the advantage of the tithe-owner as he proposed. According to the Report of the Ministry of Agriculture the purchaser of the tithe-rent charge will pay from about $5\frac{1}{2}$ per cent. to $6\frac{1}{2}$ per cent., according to whether it is acquired from parochial incumbents with incomes under £300 per annum or from independent owners. Stimulated by the terms of the Act of 1918, the amount in respect of which applications were made was £258,444 in 1920 against £21,458 in 1919. The tithe-rent charge redeemed up to the last return of the Ministry of Agriculture was about £400,000 out of a total of about £4,000,000.

The want of water, which has been so seriously experienced in some districts during this summer, lends peculiar interest to village water supply, the subject of Papers by Mr. J. Lucas and Mr. R. F. Grantham in 1881 and 1888, and of an interesting discussion. It may be thought unnecessary to trouble now about such a matter, as two such seasons as the late summer are unlikely, but Evelyn's "Diary" contains records of two drought years in succession, with a terribly hard winter intervening. Those of us who know the gratitude with which villagers accept a supply which ensures their freedom from anxiety recognise the subject as one of supreme importance in many districts, and one which affords an opening for another Paper.

Again, river pollution and drainage areas have been discussed. The Government have taken a wide view of the

latter subject, and, in face of the earnest protest of owners of lands not affected by floods, have, in the River Ouse Drainage Order embodied in an Act, laid under possible contribution not only lands but houses within an area drained by that important river, some of the lands taxable being liable to beneficial rather than injurious flooding.

One constantly recurring note in the *Transactions* is the confident belief in the superior character of English farming, and if the conclusions of eminent observers of comparative conditions in other countries are to be entirely accepted, it is difficult to know on what foundations the belief of eminent authorities from whom I might quote is founded. There must be some explanation of this apparent difference of conclusions, unless the bases of comparison vary. That British pedigree stock is in demand all over the world is certain, and possibly the superiority in this respect may be set off against inferiority in other matters.

There is a special branch of the land agent's business which has received particular attention from several of our members, including Mr. Daniel Watney who has more than once contributed his unrivalled experience to this subject, and the Paper on "Timber," in Vol. VI., and the discussions arising out of that and other Papers have been increased in value by his knowledge and criticism. Out of this advocacy has grown our interesting Forestry Museum.

But no reference to our *Transactions* would be complete without a full acknowledgment of the obligations under which The Institution has been placed by the contributory Papers and speeches by our legal and engineering Associates, and eminent visitors, as well as of the benefit the Council has derived from the attendance of Associates on important occasions. To read Mr. Horatio Lloyd's speeches is to acquire a liberal education in close reasoning and clear rhetoric. We have the gratification of knowing that the Associate membership has not been without its advantages, as testified by so eminent an authority as the late Lord Alverstone, and others.

Not the least of those who have thus served The Institution in the past is the gentleman who now sits as Associate

Member of Council, Mr. G. M. Freeman, K.C., who perhaps sees in the Law of Property Bill the realisation of some of the suggestions made in a Paper on "Land Law Reform," read on the 2nd May, 1881, the discussion on which extended over three nights and elicited not only the fact that many surveyors had acquired a wide knowledge of such recondite subjects as entail and settlement, but that all lawyers did not agree as to the best method of divesting these legal creations of their objectionable features. Mr. Freeman has had the satisfaction of seeing some at least of his proposals adopted, but whether the Law of Property Bill, as passed by the House of Lords, satisfies all the views expressed in his Paper, I will not venture to infer. Introduced in 1914 as the Real Property Bill, with 82 clauses on 62 pages, and a further 28 pages of schedules, it has had the attention of several Lord Chancellors and other legal authorities, and has grown in bulk in the seven years that have passed. It left the Lords this year with 189 clauses on 182 pages and with 119 pages of schedules. The Lower House could not digest this meal at so late a period of the Session, and it was withdrawn on the 18th August, being then down for second reading. It would be useful if Mr. Freeman could find it possible to read a Paper explaining such portions of the Bill as affect surveyors. Notwithstanding that it is essentially a lawyer's subject and that it is desired to treat it as an unopposed measure and perfect in all its clauses, I trust that it is not too late for the Council to make some suggestions with the likelihood of their being accepted. The total abolition of copyholds has been strongly advocated in this Hall, and doubtless there would be advantages in the simplification of the transfer of land which their abolition would assist, but the policy of fixing a date for their extinction without due regard to difficulties which may arise may have disastrous results on the rights of the parties affected, particularly where questions of ownership and identification of boundaries have to be settled. The difficulties which have arisen through fixing a date for recent tithe-rent charge redemptions should be a sufficient warning. The Council indeed made some suggestions, but there was

no time to advance reasoned arguments in their favour, and, indeed, any amendments were at the time deprecated. It is difficult to estimate the number of copyhold tenancies in existence, but they must amount to tens of thousands, and few, if any, are free from some problem that will require solution.

It is to be hoped that any new railway legislation may ultimately be found to give some relief to farmers in respect of transport charges. The extraordinary advance in the carriage to consumers of ordinary agricultural produce in small quantities, and the additional charges for returned empties, has deprived both consignee and consignor of the advantages they formerly possessed of cheap carriage.

The curiously worded Water Undertakings (Modification of Charges) Act, 1921, permits one to reflect upon the injury that may be caused to the public when politicians require catchwords instead of principles for attaining their end. The Conservative Party went out, it was said, on water in 1880, having attained power on beer; but the water on which they were dispossessed would have cost the ratepayers of London about eight millions less than they had to pay later had Mr. E. J. Smith's agreements been upheld, and instead of being threatened with an increase from 5 per cent. to $8\frac{1}{2}$ per cent. on the rateable value to cover more expenses and new works we might have rejoiced in a reduction to $4\frac{1}{2}$ per cent.

It has not been possible to refer to many names or many subjects, but variety in the *Transactions* has not been wanting when we realise that over 450 Papers have been read and published. It came as somewhat of a surprise to find that a gentleman honoured with the appointment as official arbitrator in virtue of his long and versatile experience had included in his studies the habitat of the oyster and the history of that succulent morsel, evidence, if it were wanting, of the fact that no class of knowledge in the mind of a competent surveyor is without value.

Of the value of the *Professional Notes*, the younger brother of the *Transactions*, I have no time to speak, but one word I would add, and that shall be a distant echo of the appeal made by my earliest predecessors. It is an appeal to the

younger men to assist their fellow-members by taking part in the discussions. I can well believe that the beginner hesitates before venturing to air his newly fledged views, but such a beginner may have been brought into contact with modern developments and problems of which older men are ignorant, and he need be under no apprehension that he will be twitted with presumption in stating his experience, apart from the advantage he will gain when having to state his case before a more critical tribunal. It is true we want as high a standard as can be attained in discussion, but now that the Papers to be read at meetings are available in advance, there is no reason why any member should not direct his attention to some special phase or point in the subject, and prepare his mind for speaking upon it in precise terms.

That there will be opportunities for such intervention by many members will be realised when I state that among the Papers to be submitted during the coming session are the following:—

“Lime in connection with Plant Growth”;

“Problems of Greater London”;

“The Forestry Directorate of the United Kingdom during the War”;

“Analysis of Building Costs”; and

“Agricultural Valuations.”

It is interesting to observe that the various Branches are arranging for the reading of Papers and for discussions, but it is to be hoped that these more or less local meetings, interesting as they may prove, will not diminish the interest in the more important meetings at The Institution.

I commend—if commendation be wanted—the mine of information in our *Transactions* and *Notes* to the students and younger members. Some ideas they may find old-fashioned, some anticipations falsified, some conclusions inaccurate, and some still waiting effective realisation, but they will also find much to admire in sincerity of purpose, much to emulate in closeness of reasoning, much to imbibe in the way of instruction, and much to be justly proud of in the wisdom they evince.

Mr. JOHN WILLMOT (Past-President), in proposing that the heartiest thanks to The Institution be accorded to the President for his excellent Address, said he was sure he would be voicing the opinion of all the members if he repeated the hearty congratulations which were accorded to the President at the last meeting on his election to the Presidential Chair, because no one had done more to benefit The Institution than the newly elected President.

In the course of his interesting Address the President had mentioned that His Gracious Majesty the King had consented to become the Patron of The Institution, which all the members would recognise as a signal honour and a mark of appreciation of the work and standing of The Institution.

Another most interesting announcement made in the Address was the appointment of a Royal Commission to deal with the question of compensation for suffering and damage caused by enemy action, of which Lord Sumner was the Chairman, and the President and Mr. Edgar Horne, M.P., were the other two members. That again, he thought, was a very notable recognition of The Institution by the Government. It seemed to him that those two announcements formed a happy commencement of the President's year of office, showing, as they did, that The Institution met with the approbation of both King and country.

The question of agriculture in its various aspects formed, perhaps, the principal subject of the Address. As the members were aware, the President had been closely associated with agriculture in this country, and special value must be attached to any observations he made in connection with the subject. He had first of all referred to the setting up of the panel of arbitrators under the Agriculture Act, 1920. That panel contained a great many names, but he could not help feeling that many of the gentlemen whose names were in the list would not be called upon to act, because he still believed, as he always had believed, that there was such a great amount of sound common-sense among agriculturists in general that they would nearly

always settle their differences without calling in the aid of an official arbitrator.

It might be concluded from the President's remarks that the present conditions of agriculture were not altogether happy. The repeal of Part I. of the Agriculture Act of 1920 had had disastrous effects on the prices of the commodities in which agriculturists were interested; and the President's remarks on the question of agricultural labour must come home to all the members, particularly his statement that labour could not have cheap food and at the same time inflated artificial wages. That seemed to be the crux of the whole matter.

Reference had been made to the large turnover that had taken place in the ownership of land, and it was stated that out of 640,000 acres of glebe land, about half the quantity, or 320,000 acres, had been sold. In the early part of his professional life, for about fifteen years, he held the appointment of surveyor of dilapidations under the Ecclesiastical Dilapidation Act of 1870 for that portion of the diocese of Worcester that was in the county of Warwick, which included the city of Birmingham; and the conclusion he thus arrived at was that the less glebe land that was held by incumbents the better it was for them. It often went to his heart to have to award large sums of money to make good dilapidations which he knew perfectly well the incumbent for the time being had not the means to make good. It was often impossible for an incumbent to meet the liability as it accrued, which was held over until he either gave up the living or passed away, when a claim was made against his dependents which practically left them without any means of subsistence. He thought all the members would agree that the sale of practically half the glebe land was a step in the right direction, and personally he thought the sooner the other half went the better.

The change of ownership of the land raised a point which was of interest to all the members who had been in practice sufficiently long. The older members would remember the terrible times that occurred in the early

eighties. At that time he had the advantage of working with his old chief, Mr. Charles Couchman, who was well known in the agricultural world, and his early impression in those days was that it was one of the principal duties of surveyors to walk round and reduce the rent, because they did very little else. Owing to the liberality of the landlords and all those interested in land, the tenants at that time were able to carry on. The President had pointed out that the times at present were not as good as they were a few years ago, and he looked with some apprehension to the fact that a number of those who had recently become the owners of land would now have no one to look to but themselves. There was, however, one bright spot in the President's Address, namely, that however unsatisfactory for the moment the conditions of agriculture might be, the thoughtful and provident penguin still existed; and from information he had obtained he believed he was still pursuing the even tenor of his ways and was attending strictly to business, so that constant and continuous supplies of guano might be expected as in the past.

The President had thrown a good deal of light on to the *Transactions* of The Institution. Personally he could not say that he had read them all, but he had read a great many of them, and he could assure those who had not done so that it would be of the greatest advantage to them to read much of what had occurred in the past. He strongly recommended all the younger members of the profession who were present that evening to get the volumes of the *Transactions* and to go through them.

The President had also referred to the question of the redemption of the tithe rent-charge; he had pointed out that the present charge was about £4,000,000 a year, and out of that amount about 10 per cent., or about £400,000, had been redeemed. Those figures were very interesting, but he should have thought, although he had no information on the subject, that a larger proportion than the 10 per cent. would have been redeemed. He had no doubt owners had thought—and he believed prudently—that it was not always advisable to use their hard cash to redeem

a liability which could be met by an annual payment, because possibly a time might come in connection with taxation when it would be rather convenient to be able to point to charges on their land. He only hoped that the time would not come soon.

He would not detain the members further, beyond saying that it afforded him the utmost pleasure to propose the vote of thanks, and to wish the President, on behalf of all the members, a most prosperous year of office, and to assure him of their most loyal support. It afforded him the greatest pleasure to propose that a hearty vote of thanks be accorded to the President for his excellent Address.

Mr. J. M. CLARK (Vice-President) said it afforded him great pleasure to second the vote of thanks which had been so ably proposed by Mr. Willmot. It was always a difficult undertaking to second a vote of thanks, because the mover of the resolution generally touched upon all the subjects to which the seconder desired to refer, and that had proved to be the case on the present occasion. He desired, however, to join with Mr. Willmot in congratulating the President upon his appointment to the Commission which had been appointed relating to compensation for suffering and damage caused by enemy action. That Commission was a most important one, and the large experience and mature judgment of the President should be of real assistance to it.

The President had drawn attention to the influential duties that the President of The Institution had to perform. The appointment of arbitrators under various Acts of Parliament was an onerous and important duty, and it spoke well for the influence and the impartiality of the Presidents of The Institution that they should be entrusted with such important work. He was sure that the Presidents had always carried out that duty without any personal feeling in regard to the man appointed; in every case they had appointed the man whom they thought would be best able to decide the questions submitted to him.

With reference to the President's remarks on the agricultural position, he was glad to hear that he did not

take an altogether pessimistic view of the future, because personally he (the speaker) was not pessimistic. It was necessary, however, that all three parties connected with the land—the landowner, the tenant, and the labourer—should co-operate. Unless they did so and worked together it was impossible for the land to be used to its best advantage: it would entirely fail to deliver the goods. Another most important element connected with the produce of the soil was the weather, to which the President had referred. Unless there was good weather it was impossible to obtain good crops, but with good weather and hearty co-operation between all the three parties interested in the land, he did not think a pessimistic view of the future of agriculture need be taken.

The President's remarks on the subject of the breaking up of estates were very important. Whilst it might be necessary under present conditions to break up estates, he felt that the loss of the squire to the community was one to be greatly deplored. When the bad times occurred in the late seventies and the early eighties a great many small owners had to sell, and their holdings were bought, generally very reluctantly, by the adjoining landowners, the squires. The squires helped their tenants in those bad times, so that they were able to carry on. He was afraid that the same state of things would occur again, and that those who had bought their farms, and had had to borrow for that purpose, would find themselves in exactly the same position as their forefathers in 1870 and 1880. They would then have to sell, and he was not quite sure that the gentlemen who would buy the farms back and consolidate them again into large estates would have the same sympathy with their tenants and help them in the same way as the old squires did.

There were many subjects in the President's Address to which it was impossible to refer owing to the short time at his disposal, but he desired to make one remark with reference to the President's statement about the value of the *Transactions*. In those *Transactions* were to be found the mature wisdom of those members of The Institution who had gone before. At the present time people were very apt

to think that all the wisdom of the ages reposed in them, but he was sure that members, if they read the Papers that had been delivered before The Institution in days gone by, would come to the conclusion that their fathers did, at any rate, know something. He commended a careful study of the *Transactions* to the young members, who would then feel some doubt whether the present generation possessed wisdom much in excess of those who had preceded them.

Without dwelling any further on the various items that the President had touched upon, he would conclude by thanking the President for his valuable Address, and by heartily seconding the resolution of thanks which had been moved by Mr. Willmot.

Mr. ARTHUR VERNON (Past-President) said that with the President's permission he desired to add a valedictory word to the speeches which had already been made. The President's excellent Address took only 50 minutes to read, yet it contained over 40 different subjects, referred to nearly 40 different persons, and would give, he was sure, more than 40 members present a good deal of useful food for thought in their professional capacity.

The President had not, of course, written his Address for discussion, but personally he could not allow it to pass without a word as he had been associated with him from the time he had entered the Council up to the present moment.

It had been said that the strongest forces of a nation or of a society were not its laws but the *personnel* or the character of those who formed the nation or the society. Probably the President was too old for a blush to be brought to his cheek, but he desired to say that during his thirty years' connection with the Council he had never seen a man who possessed all the desirable characteristics qualifying him for the position of President to a greater degree than Mr. Sabin, who now occupied the Chair. His modesty and his courtesy had been equalled by his knowledge, and both had been rivalled by the admirable skill which he brought to bear in his quiet way upon all the functions of The Institution. From his earliest days he

had been a model member of the Council. There were some men who were afraid to talk in a large society, and personally, if he were properly modest, he ought to be afraid to speak in the present distinguished assembly, but Mr. Sabin had never been afraid to say what he thought was right, and that, he considered, was an essential qualification for a Member of Council to possess. He had worked admirably in Committee; he had done a great deal in connection with the literary work of The Institution, and he had brought to bear all his enormous experience for the benefit of The Institution to which they were proud to belong.

He noticed that in the Address the President had dealt almost entirely with the past. Their history was no doubt a matter to be proud of. When, the day's work over, the President smoked his pipe of peace, he no doubt saw in front of him a row of the volumes of *Transactions* which commanded his admiration, and he therefore commended them to all the members.

But while the President had no doubt about the value of The Institution in the past, he felt sure that if time had permitted he would have said something about its value in the present and in the future. The past was but the stepping-stone to a greater future, and he thought The Institution ought to look forward to far more power and influence in the future than it had possessed in the past. Three things were necessary if that object was to be obtained: First of all prospective members must be equipped with the necessary technical knowledge to enable them to enter The Institution; secondly, members themselves must possess ample experience in their profession; and, thirdly, the highest personal character was essential in every class of member.

The first of those objects The Institution endeavoured to secure by means of its examinations; the second could be obtained only by knowledge and advice; and the third by reputation based upon integrity and professional knowledge. The effect of those three qualifications would be that—as is the case with the other great societies representing law, medicine, and arts—membership of The Surveyors' Institution

would rank as a necessity for a duly equipped surveyor. Members would thus be recognised throughout the country as holding a position which guaranteed their ability and probity. It was for each member to do his duty towards The Institution, which would then become one of the leading societies throughout the British Dominions.

He desired to add his testimony to the fact that the President was one of the men whom the members believed would help to raise The Institution to that great ideal. He wished the President every prosperity, and thanked him for his excellent Address.

The resolution of thanks was put to the meeting by Mr. WILLMOT and carried with acclamation.

The PRESIDENT, in reply, said it would be false modesty on his part if he did not say how sincerely, from his heart, he appreciated the resolution which had been passed.

A French scientist once described a crab as "a red insect which crawled backwards." He was right except in three respects: it was not an insect, it was not red, and it did not crawl backwards. With regard to Mr. Vernon's suggestion that he smoked the pipe of peace in front of the fifty-three volumes of the *Transactions*, he could only say that he did not smoke at all and that he did not absolutely live in the presence of the *Transactions*. At the same time he was most earnest in suggesting that the *Transactions* formed the very basis and foundation of the member's experience, and might prove most valuable for consultation in time to come. He would be sorry to see them relegated to the penny box of the second-hand bookseller, like the *Transactions* of some societies. They were worth preserving.

He thanked Mr. Willmot, Mr. Clark and Mr. Vernon for the kind words they had used, and the members present for the equally kind way in which they had signified their approval.

The meeting then adjourned.

PAPER 465.

THE RELATION OF SOIL TO PLANT GROWTH, and in particular when influenced by the presence or absence of Lime.

By A. A. Hudson, K.C. (Associate).

*To be read at the Ordinary General Meeting of The Surveyors'
Institution, on Monday, 12th December, 1921.*

Introduction.

I hope that this Paper may interest you as much as it delights me to read it. The subject, to my mind, is of such general importance that I do not know of any Society before whom I could more appropriately read such a Paper than The Surveyors' Institution.

A large number of surveyors are intimately associated with agriculture and forestry, and there must be few who are not interested in a garden or its pleasures.

How my interest in the Subject arose.

It may not be out of place if I relate how I became interested in the subject.

I have been planting trees more or less all my life, and about twenty years ago I became possessed of land on a chalk soil. That set me thinking about the trees and shrubs which would thrive on such a soil, more especially after I had experienced the failures due to want of knowledge.

There were a few books available which contained lists of trees and shrubs said to be suitable for such a soil, but these lists seemed to have been copied from one book into another, or where that was not the case they differed in material respects.

Inquiries of the persons from whom I purchased trees were not satisfactory, and I lost many trees, shrubs, and flowers. I planted, for instance, some lupines in the flower garden. The first year they were excellent, the second year sickly, and the third year they had disappeared. In fact, they had died out, for lupines, as I afterwards discovered, dislike lime.

I was fortunate, however, in finding a French book by M. Cl. Roux, entitled *Traité des Rapports des Plantes avec le Sol, &c.*, in which he referred to about 400 books and papers, mostly in French, relating to the influence of soil upon plants. From that time I began to collect the most valuable information. I then found that the study of soils in relation to plants, and in particular connection with the chemical constituents of the soil, was considered by the French authorities to be of the highest importance.

France, like England, contained a large area of land the subsoil of which is either chalk or limestone.

The French had then realised, while we had not, that scientific investigation was necessary if the soil was to produce the best results. No doubt the French had one great incentive, that is the wine industry, a large part of the vine-growing districts being on chalk, but their forests also had been managed on scientific principles.

The guiding principles of the French nation with regard to land are three:—

- (1) Highly cultivate rich land;
- (2) Afforest poor land;
- (3) Reclaim waste.

High cultivation necessarily means scientific knowledge. The best results are not necessarily to be obtained by shovelling in quantities of manure; and as to the afforestation of poor land—the only sound principle—I wonder what a French forester would think if he saw in an English forestry book a description of the soil requirements of a tree somewhat as follows: “This tree will thrive in a deep fresh “loam.” I think he would ask himself the question: “Who “in his senses would plant a tree which required such a soil

“when the land might and should be used for profitable
“cultivation?”

My Researches.

Of later years much more information has been available about the oecology of plants in the writings and papers of English and American botanists. From these and every other sources, mostly, I think, French and German, and some Irish, I have extracted everything which I could find on the subject.

During the past twenty years my researches have not been limited to trees and shrubs, but extend to every plant about which I have been able to obtain any information as to its likes and dislikes of lime, whether in the soil or in the water which impregnates the soil, and I have more or less completely ascertained the soil requirements as affected by lime of about 4,000 plants, ranging from forest trees to orchids, and even mosses. In the word “plant” I include everything which grows in the soil.

I have proceeded on the principle that there must be an authority for every proposition, and that the best authority which could be obtained, apart from experiment, is that this or that botanist found a particular plant growing in a particular place and in a particular soil. When two or more botanists relate their finds of the same plant in the same soil, but in other places, the soil requirement of the particular plant can then be determined with a degree of certainty. This is necessarily a laborious process, and the difficulty of obtaining French and other foreign botanical books in this country is considerable. My notes would fill nearly 1,000 pages of print.

I do not think, however, that any study of the soil requirements of plants can be too exhaustive, for the health of the plant and the quality of the fruit which it bears depend chiefly on the soil. Given similar cultivation and similar vines, one vineyard will produce grapes which make wine of the finest quality, and another will only produce grapes the wine from which is only of secondary or inferior quality.

Most people know that rhododendrons and azaleas will not grow in any soil in which there is lime, or even in soil where there is no lime, but in which the plants are subject to water charged with lime. It is not as well known that all the grasses of the field and all the wild flowers have also their likes and dislikes of lime as well as trees and shrubs and cultivated plants, and few people, I think, have ever troubled to enquire what the soil requirements of various weeds are.

It seems to me that scientific knowledge of the soil requirements of plants is as important as scientific knowledge in other subjects, and that in these days it is not sufficient to proceed with the idea that what was good enough in the past will not do in the future, or to continue in a state of self-satisfaction.

A nurseryman who makes a business of supplying plants for sale should know what are the soil requirements of the several plants which he is cultivating for sale, not only for the purpose of producing the best plants of the kind which could be sold, but to get them ready for sale in the shortest time, at the least expense, and for this purpose the soil requirements of plants must be one of the first considerations. If the plant is a water plant, the chemical and other properties of water suitable to its growth must all be known.

If anyone wished to grow water-lilies he would be glad to know that water-lilies are particularly fond of lime. Some gardeners, I dare say, do know, but I have not found any reference to the water requirements of water-lilies in any book, but I planted a water-lily of the "marliacea" type in a pond, the water of which was so highly charged with lime that it was sometimes as white as milk. The effect of this lime water has been to make the water-lily grow so luxuriantly that it covers an area of 10 feet or more square in a dense mass of leaves which at times stand out of the water in the centre almost like a shrub (though the water is about 4 feet 6 inches deep). The plant, besides, is full of blossoms throughout the summer.

To descend to something much less interesting I may

refer to weeds. Knowledge of the soil requirements of weeds may even be important, for an application of lime might be a suitable means of destroying an obnoxious weed if it disliked lime.

But a weed only being a plant out of place may in its place be a desirable plant for cultivation, and its soil requirements should be known on that account. I might instance poppies.

May I give an example, not only of the value of scientific knowledge, but of sufficient knowledge to know that enquiry is necessary before launching out into one form, at any rate, of planting? Suppose someone wished either to make a rock garden, or to plant an existing one. It may quite easily happen that the owner of the garden had never given a thought to the question whether the rocks composing the garden were limestone or whether they were some other kind of rock such as sandstone, and it is more than likely that he might purchase his Alpine plants without any knowledge of their soil requirements, quite regardless of the kind of rocks in which they were to be planted, and, having no knowledge of the subject, might plant lime-hating plants in the crevices of limestone rocks and be surprised that they did not succeed, or that they died out altogether.

Illustrations might also be given of the importance of such scientific knowledge in forestry and agriculture, and to this I will refer later.

Lime-loving and Lime-hating Plants.

I have up to the present been more or less generalising. I now come to the particular subject of my Paper, viz., lime-loving and lime-hating plants.

M. Contejean's investigations show clearly that salt and lime are by far the most important soil ingredients in regard to their influence on the distribution of plants, and that for all practical purposes it is the presence or absence of these in the soil which is the predominating, and in some cases the sole, influence deciding the presence or absence of certain plants in a given area.

I am now only dealing with lime. Salt as a soil requirement is quite a separate study.

As to the effect of lime in the soil, botanists have distinguished in every region of the world two classes of plants which in French are described as *calcicole*, namely, those which like lime, and *calcifuge*, those which dislike lime. M. Contejean has added a third class, namely, those which are indifferent as to whether there is lime in the soil or not.

It is, however, only in a limited sense that these divisions are accurate, because the likes and dislikes of plants to lime is a question of degree. Some *calcicole* plants like more and some less lime, while *calcifuge* plants will in many cases put up with a small quantity of lime.

I will give one example of the first or *calcicole* class in agriculture, viz., lucerne, which of all cultivated plants exacts the greatest amount of lime. As an example of the second or *calcifuge* class I might mention lupines, while amongst trees the edible chestnut actually dies if there is more than a small percentage of lime in the soil, and so does the maritime pine. Between these extremes there are many plants with varying requirements besides those which are entirely indifferent as to the chemical constituents of the soil.

The spontaneous existence of *calcicole* and *calcifuge* plants has been abundantly demonstrated from observations of distinguished botanists, and correct observation of this spontaneous growth is an important guide to their culture.

You can affirm, according to M. Roux, that lime is wanting if you find yourself in the presence of one group of plants, while on the contrary calcareous soil is revealed by another group of plants. Amongst agricultural plants M. Roux mentions as belonging to the *calcicole* group beans, vetches, lucerne, sainfoin, clovers, wheat, and barley.

On the other hand, peas, lupines, *some only of the clovers*, rye, oats and buckwheat are found on silicious soil.

According to M. Roux the blue, white, and yellow lupines, viz., those which he says are the most commonly employed by agriculturists, are absolutely refractory in

calcareous soils, and cannot be utilised except in silicious soils.

My experience with the garden varieties is exactly the same.

Dr. Christ in *La Flore de la Suisse*, referring to the Jura Mountains in Switzerland, which are composed of limestone, says that the calcareous plants exclude nearly all the others, but as soon as you come on one of the depressions covered with a mass of peat you feel transported into an entirely different nature.

Mr. Praeger in his book *Flora of the West of Ireland* points to the same marked changes of vegetation in Ireland, and he says that the western portions of the counties of Galway and Mayo, which stand out into the Atlantic, consist of a wild confusion of heathery mountains, vast bogs, and peaty lakes, and that in the absence of drift the transition from limestone and a calcicole flora to gneiss, heather and a calcifuge group is abrupt.

The same changes occur in the Chilterns. On the slopes you find juniper, the soil of the slopes being only a thin covering over the chalk, but on the top of the downs, where the soil is clay and flints often of considerable depth and entirely free from lime, you find gorse and heather.

The dislike of certain plants to lime has also been demonstrated in France by experiment. Professor E. Henry's researches in this direction (*Les Sols Forestiers*) prove that the maritime pine, the edible chestnut, and the broom (*Sarothamnus scoparius*) will not live when the percentage of lime in the soil exceeds certain definite limits. These percentages vary with different trees and other plants, but he gives 3 to 5 per cent. as the extreme limit of lime in the soil for the existence of the edible chestnut, and a much smaller percentage for the broom.

Experiments have also been made in the growth of potatoes. Potatoes are an example of a plant which will grow in a lime soil, but they are better without lime.

Mr. D. Houston, of the Royal College of Science, Ireland, says that Principal Wright found by direct experiment in the west of Scotland that the application of lime to the soil

had a distinctly bad effect upon the yield of potatoes, and he recommended that potatoes should not be planted in ground recently treated with lime.

In an article in the *Journal of the Ministry of Agriculture* Dr. Russell also gives the result of experimental plots of chalked land at Rothamsted, and he gives the yield per acre of potatoes on unchalked land as 9·3, and on chalked land at twenty loads per acre as 8·8, thus confirming the experiments of Principal Wright.

M. Roux, in referring to experiments as to wheat, says that the wheat was well developed in soils containing from 0 to 32 per cent. of lime, but that the ears of corn appeared to be the finest in soils up to 9 per cent.

Plants on unsuitable Soil.

The effect on plants of unsuitable soil is remarkable. The development of calcifuge plants in a soil containing lime (of course according to species) is extremely slow and defective, if they live at all, and the plants only furnish specimens which are sickly and obviously chlorotic. This chlorotic condition of plants is something similar to anæmia in human beings, and it is curious that in the case of plants as of human beings it may be ameliorated by preparations of iron. M. Rivière and M. Bailhache carried out experiments for the purpose of remedying chlorosis in plants, and found that a chemical preparation of phosphate of iron and water was completely satisfactory and that the leaves regained their normal colour. I have myself transplanted trees from the chalk soil where the leaves had assumed a pale yellow or yellowish-green colour to the top of the downs and to a soil which was free from lime, and the leaves became their natural colour, which was, in the trees I referred to, a dark green.

It follows, therefore, that money spent in seeds or plants will be wholly or partly wasted if the soil in which they are to be planted is unsuitable for their growth.

Unscientific dealing with the soil is waste and we cannot afford it, more especially as the cost of labour is so high. I do not think it would be an exaggeration to say that a con-

siderable sum is wasted every year in one case alone, namely, in the laying down of permanent pasture with mixtures of seeds, a large proportion of which are unsuitable for the soil; and though such seeds may germinate and the grasses succeed for a short time, they must eventually die or be crowded out under nature's law of the survival of the fittest.

Varieties due to change of Soil.

In examining each species of plant it will generally be found that the varieties of the species do not all show the same likes or dislikes to lime. These varieties in many cases have been produced from a prolonged action of the soil in which the plants happen to have lived.

Distinguished authorities have dealt at length with this subject, and Dr. Christ, speaking of the two rhododendrons, "*Ferrugineum*," which grows off the limestone, and "*Hirsutum*," which is almost essentially a calcareous plant, says that everywhere where the two types grow together there are zones of transition and numerous hybrids are formed. In referring to "*Anemone Alpina*" as a remarkable example, he says the white form is found exclusively on limestone while the kind with sulphur yellow flowers is found only on clay and silicious soils, and he goes on to say that in places where the transition from calcareous soil to soil denuded of carbonate of lime is gradual, the flower of this *anemone* passes by a series of intermediate shades from white to yellow.

Professor Henslow says within limits all plants possess the power of responding adaptively to changes in their environment. Then if they continue to live for several generations under the same conditions, the newly acquired characters tend to, and usually do, become relatively if not absolutely fixed.

The same might be said of human beings. Brassey, the contractor, when he was levelling the Paris fortifications had gangs of French navvies, but their working capacity was far below that of the English navvies. When the French gave up their soups and their salads and fed on beef-

steak as the English did, they began to develop the same characteristics as the English. It may be that this newly acquired character might have become fixed if the changes in conditions had continued long enough.

According to Dr. Kerner's researches in the Alps there exists a wide difference between parallel species occupying limeless slate and limestone mountains. The examples which he gives of such parallel races are the following :—

<i>Calcicole.</i>	<i>Not Calcicole.</i>
Hutchinsia Alpina.	Hutchinsia brevicaulis.
Thlaspi rotundifolium.	Thlaspi cepeæfolium.
Anemone Alpina.	Anemone sulphurea.
Primula auricula.	Primula villosa.
Ranunculus alpestris.	Ranunculus crenatus.

A comparison of the different species of primula alone would be a study in itself. Many of them like lime, but others do not. I cannot refrain from quoting from *Among the Hills*, by Mr. Reginald Farrer, and these are his words: "I will only say that, as far as I have seen and known, " 'Primula Allioni' is no use hoping for any more than any " sensible plant except on the limestone. I do believe " 'Primula Allioni' insists on having calcareous rock or " calcareous rubble."

I saw in a recent newspaper article headed "On Chalk Soils" that Senecio or groundsel, does well on chalk, but this statement is only correct in speaking of the majority of the species, for several varieties do not like lime. The examples which I have given show that it is almost impossible to generalise about any particular species.

Observations as to the Nature of the Soil.

Very careful observation is necessary as to the nature of the soil, and when observation is insufficient tests should be applied to ascertain what the actual chemical constituents of the soil are.

Imperfect observation in the past has led to apparent inconsistencies in the soil requirements of plants, and con-

siderable controversy between botanists has resulted of which I may give some of the reasons.

It has sometimes been assumed that lime existed in the soil merely because the subsoil was chalk or limestone. That assumption has often been proved to be incorrect because constant washing of the soil by rain may have entirely denuded the surface soil of lime, or the upper parts of the surface soil to the depths which the roots of the plants were able to penetrate.

The quantity of rainfall in any particular district has therefore an important bearing upon the extent of lime which may be assumed to exist in the soil.

Mr. Moss says that the leaching of lime from calcareous soils has of course long been known, and it is to be expected in districts like the Pennines, the Mendip, and the west of Ireland, when the rainfall is high. The importance of the process in ecological plant geography is that by this means a soil may in time become so changed in character as to support a totally different group of plant associations from those which first occupied it.

This dissolving of lime by the action of water is aptly described by Mr. Herbert Cousins in one of his lectures in agricultural chemistry. He says: "We have only to note the extreme hardness of the water draining from chalk land to realise that even a typical chalk soil may eventually become so exhausted of its chalk that not enough is left for free and efficient nitrification."

Another explanation of apparent inconsistencies may be found in the surface soil of woods and forests. There the chemical action of the acids formed by the decaying leaves may have entirely dissolved the lime, and foxgloves, which dislike lime, may have been found growing on such a soil.

Another instance of the necessity of accurate observation may arise from the want of knowledge of the roots of plants, for some plants have roots which penetrate deeply into the soil while others are very shallow rooted. In some cases, therefore, the roots may reach the underlying chalk or limestone strata, and in the other cases the roots, being on

the surface out of which all the lime may have been washed, do not come in contact with lime at all.

Physical Properties of the Soil.

This leads me to the subject of the physical properties of the soil. The theory which some botanists advanced—now, I think, almost exploded—was that the distribution of plants depended entirely upon the physical properties of the soil and not upon its chemical properties.

From what I have said as to the likes and dislikes of plants to the chemical composition of the soil, it must not be supposed that a lime-loving plant will succeed in any soil in which there is lime, for this would not be correct.

There are obviously other factors to be considered, such as climate, aspect, and the physical properties of the soil, and so on.

As to climate, no one would suppose that a plant from a tropical climate would live in a European climate. That is an extreme case, but perhaps an illustration more to the point would be the fig. This is essentially a lime-loving plant, and no better place could be found for it than in the shelter of a chalk-pit. The fig does excellently in Sussex, but it will not thrive in the Chilterns even with such shelter though in soil which it likes.

The obvious conclusion is that the mild climate of Sussex suits it, but the colder climate of the Chilterns does not.

In other cases the extremes of heat and cold may not admit of the successful growth of any particular plant, thus some trees will succeed in England but not in the climate of Paris.

Again, as regards aspect, some plants may require sun and others shade, while others thrive best in an east or west aspect, as the case may be. But the main point to which I wish to draw attention is the physical property of the soil upon which must more or less depend the success or failure of a plant though planted in soil the chemical properties of which are favourable to it.

I will give one example. Take the case of the box. This is a shrub which is particularly fond of lime, and supposed

to be of very slow growth. If a box is planted in loose chalk débris, with even a small amount of vegetable mould, it will make, comparatively speaking, quick growth, contrary to one's preconceived notions of the slow growth. The box I have planted in such soil make a growth of from 6 to 8 inches a year, while box of exactly the same kind (for there are several varieties), planted at the same time on heavy clay soil, have made, practically speaking, no growth at all, besides looking miserable.

The reason for this is that the box has a fine fibrous root which I may compare to the head of a very fine string mop, and as these fine fibrous roots cannot penetrate a hard or heavy soil, the result is that the plant will scarcely make any growth at all, but if planted in a soil into which these fine roots can penetrate, the growth is extraordinary.

Summing up this subject from a practical point of view, the knowledge required by a person who plants or sows seed is, roughly speaking, fourfold :—

He must know—

- (a) What soil the plant likes ;
- (b) What roots it makes ;
- (c) What frost it will withstand ; and
- (d) What moisture it requires.

As regards the first, French nurserymen and seedsmen in many instances give this necessary information in their catalogues, but it is seldom to be found in any English nursery catalogue except as to a few isolated plants.

With regard to the second and fourth no information is given, I presume because the person who buys the seeds or plants is supposed to know these things.

As to the third information is often given that a plant is hardy or not, or that it requires a south wall.

Characteristics of Lime in the Soil.

I think I may now, but only in broad outline, give some of the characteristics of lime in the soil.

1. I have already indicated that lime is not a permanent

constituent of the soil. Dr. Russell says that it changes into soluble bicarbonate and washes out into the drainage water. He gives the rate of loss at Rothamsted, and he describes how this loss is increased by ammonium sulphate and decreased by dung and by the crop, and further that the loss is much less on pasture than on arable land. This dissolving is accelerated to a remarkable extent in forests owing to the chemical action already described.

2. The second characteristic is that lime in the form of chalk attracts and holds water in suspension. This attribute has produced very interesting results, one result being that plants which like moisture will be found to succeed on chalk soils, provided, of course, that they do not dislike lime.

M. Flitche refers to chalk soils in the Champagne country and their humidity, and explains on this account the success of the alder in that country. The alder, as most people know, is a tree which requires moisture.

Another result of this characteristic is that in planting out young trees in plantations they are much more likely to resist the effect of a dry year following the year of planting if planted on a chalk soil. I experienced this to a remarkable extent. I planted a belt of trees, partly in chalky soil and partly on other soil. The chalk soil was so poor and chalky as to be almost white. An exceptionally hot and dry summer followed, and all the trees lived in the chalk soil and all the trees in the other soil died.

The reason for this was that the young trees which succeeded were kept alive by the moisture held in suspension by the chalk, while in the other soil the moisture dried right out.

Mr. Webster, in his book on Forestry, says that chalk, although sufficiently porous to allow water to percolate through it, has, like all calcareous matter, a strong attraction for water and acts like a sponge, holding it in considerable quantity for a long time.

This characteristic of chalk is particularly noticeable upon lawns in gardens on chalk soil. Where the turf is laid almost on the bare chalk the lawns remain green through the driest summer, but in places where holes have been dug

for trees and the holes filled up with other soil, and in places where there is considerable soil above the chalk, the lawn becomes completely dried up.

With regard to the moisture produced by chalk, Dr. Russell, in referring to the chalking of land in the article before referred to, says: "It is possible that the chalk affects the degree of moistness of the soil"; and he adds: "this is, no doubt, an important factor in determining the improved growth of clover on chalked land, which then reacts on the subsequent crops"; and he gives in the above article some remarkable figures for clover: Unchalked land produced 19·4 cwt.; land where 20 loads of chalk per acre had been applied, 35·8; and when 50 loads were applied, 39·2 cwt.

3. Lime is also essential to plant nutrition. Professor E. Henry says that all trees, even those which are calcifuge, absorb in soils very poor in lime so much that about half the pure cinders, whether of wood or dead leaves, is formed of this base.

Mr. Houston says that lime contributes more than anything else to the nutrition and general health of our crops, and he adds that lime has a direct influence upon the liberation of plant food, which otherwise might remain locked up in an insoluble state, such as phosphorus and potash.

He also mentions another characteristic of lime in the soil, viz., that its presence encourages the activities of all those races of bacteria which are concerned in the preparation of nitrogenous food for cultivated crops. He puts the matter in a very practical way when he says that he is convinced that there are many gardens the soils of which are heavily charged with rich stores of humus, but which, owing to lack of lime, are unable to unload their treasures. In such a case it is lime, not additional manure, which is wanted.

Mr. Herbert Cousins, in the lecture before referred to states the same proposition from an agricultural point of view. He says: "Again we must emphasise this statement, 'chalk essential,' which is almost the *leit-motif*, or key-

“note, of our study of soil fertility. Thousands of tons of
“dung and other manures are wasted and the nitrogen lost
“to the soil simply and solely because the necessary modi-
“cum of chalk required by the busy bacteria for converting
“ammonia into nitrate is absent.”

I need hardly mention the use of lime to correct the sourness of soil; that is so widely known, and is apparently the only practical method open to the agriculturist and the gardener of improving such soils.

An abundant supply of carbonate of lime in the soil has another and important effect, for it produces sweeter and more highly flavoured fruits. Dr. Hilgard, an American authority, in his book *Soils*, says that in the Mississippi Valley the abundant fruiting of oaks is a matter of common knowledge, and he says that the statement made in Europe that cultivated fruits, and especially grapes, are sweeter on calcareous lands is abundantly verified in the native fruits of the Mississippi Valley, where the wild berries, haws, plums, &c., are well known to the younger part of the population to be much sweeter and higher flavoured in certain calcareous localities than in others, besides being usually more abundant.

He adds that this is entirely in accord with the well-known fact that the application of lime checks the excessive wood and leaf growth resulting from excess nitrogen as well as moisture.

Dr. Christ describes the soil requirements of the vine as a gravelly calcareous soil in which grapes are produced rich in flavour, and mentions the sunny slopes of the Jura in Switzerland as one great vineyard. Mr. Wright, a well-known authority on fruit culture, says that where the soil is not calcareous the grapes are indifferent in flavour.

Speaking much more generally, Dr. Hilgard refers to limestone countries as “rich countries”; in fact, he says England, France, Belgium, and most countries of Western Europe, are rich countries largely owing to the abundant limestone formations, and he says it is a question whether, had this been otherwise, Europe would so long have remained the centre of civilisation, for starving populations are not a

good *substratum* for high mental culture and progress. He does not, however, omit to state that this richness cannot be taken advantage of without industry and skill, and he points out that the pre-eminent suitability of the chalk to plant and animal life has its disadvantages, and that no soils are more prone to carry weeds, turnip-fly, or wire-worm.

Mr. Reginald Farrer in his delightful book *Among the Hills* describes a journey from a granite to a limestone county in the following way: "Not until one has got into "realms calcareous again does one fully realise how one "has fainted and dried up under the long domination of the "granite . . . It is only here on the kindly canvas of "the limestone that nature begins to apply her effects at "ease . . . here on organic rock, built up of bygone "lives, the life of to-day is happy and at ease, the plants "stretch themselves out and fall into that comfortable mood "best described as *déboutonné*."

Such a happy existence for plants should also be the lot of human beings living on such soil. At any rate one of the ills which flesh is heir to is absent. A medical authority, in writing on the relations of soils to health, has pointed out the remarkable absence of tubercle in limestone and chalk districts, and with this as far as my knowledge goes I agree.

Trees at Wendover.

I should like now to refer very briefly to the trees and shrubs on my land at Wendover, in the Chilterns, where the soil is as usual chalk on the slopes and in the valley, with a deep layer of clay and flints on the top of the down. The beech, as everyone knows, is supposed to be the best deciduous tree for chalk soils, but whether it is so or not I am not prepared to say. At any rate it is the chief tree to be found on such soils in England, and places like Ashridge and the many woods not only in Buckinghamshire but in other counties must be a joy to many.

Nothing is more beautiful than a beech wood in spring over a carpet of copper-brown leaves, but unfortunately the beech disease has played considerable havoc, and I find it

attacks even young trees of not more than fifteen years' growth.

I have therefore in the thinning of the trees, which were planted mostly for ornament, regarded the beech more as a nurse tree, gradually eliminating it in favour of the Norway maple, leaving at the same time a fair number of healthy trees. In speaking of planting for ornament, I mean planting with the object of making landscape and so adding to the beauty of an estate as well as the surrounding country.

A tree eminently suitable for a chalk soil is the purple or copper sycamore, and it is the most beautiful deciduous tree I have planted, but being a grafted tree it cannot be planted in any quantity economically. The leaf is transparent, and therefore brilliant in sunshine. In autumn the upper part of the leaf turns yellow and the underside bright red, producing a rich glow as though the whole tree were on fire.

The copper beech has its charms, but they are almost confined to the spring, when the leaf is transparent. In the summer and autumn the leaves become opaque and the colouring dull and uninteresting. These, however, can be planted in quantity, because seedlings can be obtained, and they vary in colour through every shade between green and deep copper.

The most wonderful effect of all, I think, has been produced by thousands of the common guelder rose as undergrowth on the edges of plantations or in masses. It is essentially a plant for chalk soil, and is beautiful all the year round, as any tree or shrub growing luxuriantly cannot fail to be, but in the autumn it is a blaze of scarlet, the leaves keeping their colours until after the leaves of many trees have fallen. The Scotch and English laburnums are also excellent and rapid growers on a chalk soil and make, with their dark green leaves, an effective contrast.

It is unfortunate that there is no evergreen flowering shrub for a chalk soil to take the place of the rhododendron of other soils, and that the number of fir trees which will thrive on such soil is very limited, but there is this satisfaction that rhododendrons and many fir trees do well on those

parts of the soil at the top of the downs where the ling thrives. There there is no lime in the soil. Some of the soil on the top of my down, however, is so poor that even grass will scarcely grow, and on such soil neither ling nor rhododendrons would succeed, but curiously in this wretched soil the blue spruce seems to revel, and the trees assume a blue colour so brilliant that they are the envy of nurserymen.

The fir tree, of all others, for chalk soils is the Austrian pine, whatever its value as timber may be, in the same way as the maritime pine is for sandy soils by the sea. The Austrian pine loves lime, while the maritime pine hates it just as much as the edible chestnut does. Some of the cypress do very well on chalk, but the only spruce which really likes it is, I think, the Pinsapo. The Norway spruce is not very averse to lime, and does well where there is a fair layer of clay over the chalk.

Amongst fruits most apples and pears do well, but the only plum I have found to succeed is the Victoria, and that plum must have a strong liking for lime for I have trees growing on a chalk bank.

I need say little about the kitchen garden, except that nearly all leguminous plants in manured soil make the most extraordinary growth. Potatoes, which are essentially a potash-liking plant, will just do, but it is not their natural soil.

I should not omit to mention that one of the great features of a chalk soil is the wealth of wild flowers, the finest amongst them being the Viper's Buglos.

Encouragement to plant Trees.

May I add one word of encouragement for tree planting? I have so often been told that you cannot see any results in a lifetime that I should like to give one illustration to contradict this statement. I have two purple sycamores planted not more than seventeen years ago. They were then about 6 feet high; in fact, they were the ordinary size, which could then be bought for a shilling or eighteenpence. They are now both about 35 feet high and have trunks 3 feet 4 inches in circumference 6 or 7 feet from the ground,

and you could comfortably seat twenty people at tea in complete shade under either of them. They are growing too in very bad soil, and have had no top soiling or other encouragement. They are, however, in a sheltered position.

Forest Soil.

But to obtain rapid growth the first essential is the creation of a forest soil at the earliest moment. Trees make the soil which they want, and do not depend upon manure as do agricultural, garden, and other plants. Forest soil is created by the leaves which drop on the ground made bare of grass by the shade of the trees. These leaves decay, and the acid created liberates the food ingredients of the soil which the trees require. This process continues every year while the overhead canopy of foliage keeps the soil in shade.

In order to create this soil close planting is necessary to shade the ground and prevent grass and weeds growing, and thus impoverishing the soil. Besides, this constant thinning is necessary to prevent the young trees encroaching upon each other—that is, if beautiful trees are wanted and not trees to create timber for sale. In the latter case periodical thinnings are made according to recognised rules so as to produce straight timber.

Summer Thinning.

An additional help to rapid growth is to thin in the summer. I know that this is not orthodox and that any wood so cut is worthless except as firewood, but life is short, and time is much more important, as it seems to me, than a few pounds gained in the sale of young timber.

The reason for summer thinning is that trees, in the same way as human beings, are liable to catch cold and by summer thinning the trees have their shelter removed, or, so to speak, their coats taken off, in warm weather when they can acclimatise themselves to the changed conditions, and so do not receive any check to their growth.

An old nurserymen taught me this years ago. Trees will grow in almost any soil they like, however poor the soil may be, but they cannot put up with draughts and wind—and they dislike any removal of the shelter or warmth to which they have grown accustomed.

Rabbits and Hares.

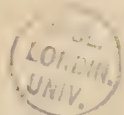
Rabbits and hares may seem a little wide of the subject, but I am not sure. Something may be learnt from their ways.

I am very much inclined to think that rabbits and hares have the same antipathy to unhealthy and deformed plants as most animals have to other animals of their kind in such condition. Animals have little mercy, and I think that they attack unhealthy trees because they are unhealthy whether the cause is bad soil, bad planting, or what not. They in this way promote nature's law of the survival of the fittest.

I had a curious experience. I planted about 300 Young's weeping birch. They were small trees about 2 feet high and grafted about a foot above the ground. A hare came and nipped off almost every tree above the graft. He probably disliked broken-legged looking objects which the stems of the grafted trees resembled, but it may have been pure mischief.

Rabbits, I know, like the bark of particular trees, but they have seldom neglected to let me know that the trees I had planted were for some reason or another in an unhealthy condition.

In conclusion, I hope I shall be forgiven if it is thought that I have in many cases been too elementary, but I was once asked by a very eminent person (who had great ideas of promoting forestry) if he could lay out and plant his "place" with trees in the summer. He was delightfully unconscious of the fact that trees cannot be safely transplanted when the sap is flowing. Who knows but that this Paper may not come under the eye of some such person



equally qualified in his subject but of a more inquiring disposition.

I have, however, done my best, and I am very grateful to the Council of your Institution for permitting me to read it before you.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, December 12th, 1921,

A DISCUSSION took place on a Paper entitled

THE RELATION OF SOIL TO PLANT GROWTH, and
in particular when influenced by the presence or absence
of Lime.

By A. A. HUDSON, K.C. (Associate).

J. H. SABIN (President) in the Chair.

SIR EDWIN SAVILL, O.B.E. (Vice-President) said it gave him great pleasure to propose a hearty vote of thanks to Mr. Hudson for his Paper. It was a Paper written with so much charm and simplicity that it must claim the interest and attention of the man who had only the smallest of gardens equally with that of the man who farmed a thousand acres of land. Were Mr. Hudson's success as a barrister not so well known, one would be tempted, after reading and listening to the Paper, to wonder whether he had not missed his vocation and whether he ought not to have been a cultivator of the soil and wearing corduroy instead of silk. Having so closely studied a subject so far removed from his professional activities, he (Sir Edwin) thought the members of The Institution ought to be very grateful indeed to Mr. Hudson for having given them the advantage of his studies, knowledge and experience, to be placed in the *Transactions* of The Institution.

He himself had always taken a great interest in lime, particularly since many years ago he had been walking one day over a farm on the hills of north Somerset. He had come across a grass field, and the farmer had said to him

“Do you notice anything about that field?” He had replied that one-half of it appeared very much better than the other half. The farmer said that he was quite right, and informed him that half the field had been dressed with lime twelve years previously. One could still see to the present day within a yard where the dressing went. He had naturally asked the farmer why it was that the other half had not been dressed, and the farmer replied that the lime-kiln had gone out of use and lime had become unprocurable. That brought him to a very interesting problem and one which had always bothered him considerably, namely, why was it that as one travelled about the country one continually came across old disused lime-kilns? They all appeared to have gone out of use at about the same date. Was it because of the advent of railways, which had caused cheap distribution of artificial manures, or was it merely that the farmer thought that artificial manures would take the place of lime? How wrong it was it needed no expert to see in the hundreds of thousands of acres of half-starved land crying out for a dressing of lime.

He remembered during the war saying a great many times—and he was not at all sure that he was wrong—that had the Board of Agriculture concentrated its energies upon the restoring and repairing of those old lime-kilns scattered all over the country, it would have resulted in a larger increase in the quantity of wheat grown in the country than could be obtained by all the Cultivation and Ploughing Orders which had been issued. He did not know whether Mr. Hudson would agree with that, but if he did he hoped he would use his influence, experience, and great persuasive powers with the powers that be—(and he saw at least one of those powers present that evening)—to make lime available for universal use again.

He expected that some of the members would have noticed that he had not attempted to criticise the Paper. His knowledge of the subject was far too slight to tempt him to cross swords with such an expert as Mr. Hudson. He proposed to leave criticism to those who followed after him, and would content himself with asking Mr. Hudson to

accept the grateful thanks of The Institution for his Paper, which would be read, he was sure, with the greatest pleasure by members of The Institution.

Mr. B. C. ADKIN (Professional Associate) remarked that he had much pleasure in seconding the vote of thanks to Mr. Hudson for his Paper, first because it dealt with a subject of great interest, and also because he had enjoyed it very much.

All members would be impressed, he thought, by Mr. Hudson's knowledge of his subject. When they considered that Mr. Hudson had recorded the lime requirements of 4,000 species and notes on the subject which would fill about 1,000 pages of print, he was sure they felt that they were very fortunate in being able to attend that evening. It was a fact of great significance that so much material should have been collected. It made him feel very careful as to what he said. Anyone who was acquainted with the books and periodicals which dealt with the large subject of plant oecology—the relationship of plants to their environment—would know how rare it was to find a good account of the effect of lime on plant growth, and also how exceedingly scattered the information was. The mere fact that Mr. Hudson had collected so much from so many different sources was of great value in itself.

Although the Paper was so delightfully simple and explanatory in style, the subject of the effect of lime on plants was really exceedingly complex. It had always been one of considerable controversy, but of recent years there did not seem to have been a great deal of research work done on it. Although their knowledge of the soil and its effect on plant growth had greatly increased, although their technique was much better, and although the subject of plant oecology had become a big science in itself, there were no great discoveries to record with regard to the problem of lime. The part played by calcium in the plant was still unknown. Again, with regard to the effects of the external conditions on plants, one could only say that their difficulties were decreased in that some of them had been identified. As Mr. Hudson

pointed out, in classifying plants from the point of view of their relationship to lime there were no sharp lines of demarcation. In fact, a great range of tolerance was found. Some plants were adapted to conditions of acid peat, others to the basic character of chalk soils. As regards individual species, it was found that their tolerance varied considerably. One great point in connection with the subject was that all plants would put up with bad conditions much better if they were isolated than if they were growing in competition with other species.

That brought him to a division of the subject, and it was convenient there to consider two lines of investigation which there seemed to be at the present time. In the one case there was agriculture, where lime was of very great value and its merit was generally recognised. Crops were grown under the best conditions one could afford to give them, and were removed from the competition of other kinds of plants. Also, if lime were required, one could, as a rule, go and buy it. The problem was certainly one for scientific methods, but was really economic; the problem was whether it would pay to put lime on a particular soil, and if it would pay, how much should be applied. It was known that lime in agriculture was required for neutralising acidity and also for making clay soils crumbly and giving them a better mechanical condition. It was evident from that, therefore, that clay soils would require more lime on the whole than other kinds of soils. The agricultural chemist was not in a position, as a rule, to advise from analysis alone how much lime a field ought to have. The only convincing method was that of actual experimental trials in the field. Certainly there were exceptional cases, but on the whole, as Dr. Russell pointed out in the present month's *Journal of the Ministry of Agriculture*, analysis by itself was not sufficient to warrant a recommendation as to liming a particular field.

With regard to agriculture, perhaps it was of interest to mention that, while the effect of lime in liberating plant food—in liberating potash from the soil—was well recognised, there was a considerable amount of experimental evidence

that potash had the effect of making it more difficult for plants to absorb lime. It was practically certain that that was so, he thought, but it had not at present been sufficiently investigated to be applied to agriculture as something of importance. Anyhow it was suggestive, because it did explain a fairly well-established fact, namely, that plants which required much potash did not, as a rule, like lime.

When one came on to forestry, one's attitude towards lime was different, because nobody could afford to buy lime and put it on the ground. The soil had to be taken very much as it was found, and the soil requirements of the plant called for greater attention. The common method in this country was to take trees and plant them out when they were three or four years old. In that way they were given a start, and they seemed to have freedom from competition; but they were in the ground a long time, and often they seemed so devitalised by the process of transplanting that they were possibly worse off than if they had various neighbours to compete with. In any case the forester found that it was well worth while to study the effect of lime in its relation to natural vegetation.

The subject of plant *œcology* was one of great interest. Definite kind of plants were found with certain given conditions. One of the most interesting of those groups was the chalk formation, where the lime-loving plants were found. With regard to the chemical conditions of the chalk, Mr. Hudson had described how healthy it was and how rich in bacteria which were beneficial to the plants, but the physical conditions were peculiar. It was known that chalk absorbed water and held it, and the fact that it did that, he thought, tended to dry the surface soil. The soil on the surface became drained by that absorptive subsoil and chalk rock. Then again, the soil on the surface was generally particularly porous, because the lime decomposed the humus which the soil contained, and that which was present in most soils to absorb water was in that case wanting.

The problem here was what made those chalk soils particularly favourable to certain kinds of plants? Probably it would be found that there was no single factor which

could be held responsible. It appeared that in some cases it was the presence of much lime, and that in other cases it was the special physical condition. There had been people who, as Mr. Hudson had said, thought they could explain the whole matter on the basis of the physical condition of the soil. Certainly in many cases it was a chemical consideration, but as far as one could make out it might be in some cases chemical and in other cases physical.

The beech was generally associated with chalk in this country. In most parts of the country it grew only on calcareous soils; but when one went to the south it was found occasionally on soils which did not contain lime, and in the Cevennes it grew on siliceous soils, which contained practically no lime at all. There was considerable reason to believe that the beech was associated with chalk in this country because it liked the physical state of the soil. The same applied to the juniper and the box. When other plants were considered, such as the ash and the dogwood, and one or two others, the chemical considerations seemed to determine the matter. These liked a large amount of lime in the soil, and were not so particular about the physical condition.

One day in the previous week someone had said to him with reference to plant oecology, "Do not you think it is "rather a refinement of knowledge?" He was afraid that that meant that in the speaker's opinion it was not of very much use; but he thought, if one regarded any well-marked formation of wild plants and considered what enormous resources one would have, if anyone could explain fully how each species had won its position, he would be of very great use to agriculture and to forestry. He knew Mr. Hudson agreed with him, and he was very pleased indeed to second the vote of thanks.

Sir DANIEL HALL (Visitor) remarked that Mr. Hudson had raised a very fascinating subject, and one which did present many difficulties in interpretation. Both Mr. Hudson and the last speaker had deplored how little was known about the matter. While certainly the whole of it was

not known, he (Sir Daniel) thought there was none the less some accumulation of knowledge with regard to that particular group of subjects.

With the fundamental thesis of Mr. Hudson's Paper he was in entire agreement, namely, that there was a wholesale need for lime in the agriculture of the country. He had often marked out areas upon the map of England, and was convinced that there was about two-thirds of the country which might be made to yield certainly 15 per cent. and probably 20 per cent. more than it did at the present time if it were only properly treated with lime. That was a matter of sheer business, and the Board of Agriculture desired the help of everybody, including the members of The Surveyors' Institution, who were concerned with the treatment of the land, to press that particular point home upon the cultivators of the soil. It was a wise—in fact it was a necessary—investment to use some lime upon many kinds of land.

Sir Edwin Savill had alluded to the decayed lime-kilns which were found all about the country, and had asked why they had gone out of existence. Without doubt the rising cost of labour, even forty or fifty years ago, when the bad times fell upon agriculture so severely, had had a considerable amount to do with that; but, in the main, he was inclined to put down the decay of those lime-kilns, or rather the decay of the habit of the farmer to use lime, to, as Dr. Johnson said of his definition of a fetlock, "sheer ignorance." Its value began to be forgotten. The association of lime with farming English land went back to the time of Pliny, in the days of the Romans. Pliny actually mentioned that the British farmers did use quantities of lime upon their land, and remarked how good it was. Everybody knew that it was a standard part of British farming during the sixteenth, seventeenth, eighteenth and the beginning of the nineteenth century. But coincident, apparently, with the introduction of artificial fertilisers came the idea that lime might be dropped out. At any rate, the practice of liming fell away tremendously during the years from 1840 onwards, and the lime-kilns began to be disused.

British farmers had to get back again to the practice of using lime. In many parts of the country the soil still worked all right because of the accumulations of chalk or lime in it which our forefathers had placed there. In the soil of the experimental fields at Rothamsted there was, originally, no chalk at all, but in the early years people had brought up chalk and put it on the surface; and in the surface soil of the Rothamsted fields to-day there was something like 2 per cent. of chalk still left. It was washing out every year at the rate of half a ton to the acre, and it would all disappear in time. As soon as it was all washed out the soil would be no longer fit for cultivation, as had been proved from some fields which had never had the chalk put upon them. That soil could not be cultivated unless the lime were maintained and restored.

People complained of the enormous price which lime, carbonate of lime, and so forth, had gone to at the present time. It was a big price, but everything had gone up enormously, and they who had to deal with and advise farmers had to say that that cost had got to be faced and the money spent; otherwise the expenditure on fertilisers proper and on cultivation would be largely wasted.

Returning more particularly to the subject of Mr. Hudson's Paper, the association of plants with soils was one of the most undoubted facts which faced anybody who walked about the countryside with his eyes open. If one was walking on a chalky soil, one always saw certain plants such as dogwood and traveller's joy, and the way-faring tree. An absolutely sure sign of stepping off clay on to sand or chalk were the little rock rose and the little horseshoe vetch. They were all invariable examples of the association of calcareous soil with plants. On the other hand there were a lot of very fine indicator plants which told one when one was on a soil that was sour and lacking in lime. For agricultural purposes nothing was better than the three weeds, spurrey in arable land, sheep's sorrel, and corn marigold. If one saw those flourishing, one did not need any analysis of the soil whatever. Any one of those was a perfect indicator of the lack of lime. He did not

quite agree with the last speaker that analysis would not show whether lime was wanted in the soil. The later methods which had been worked out, such as Dr. Hutchinson's lime requirement method, did give a very close quantitative measurement which had been verified by a comparison with field results of the amount of lime that was required. However, when one tried to explain the association of plants and soils difficulties rose up. He remembered doing some experiments himself, being very much interested in that particular question, and he had obtained a lot of lime-hating plants, especially the leguminous ones, and had put them out in soils containing increasing amounts of lime. The odd thing was that they all grew uncommonly well; the lime did not poison them by any means. They grew perfectly well, but they had been relieved from competition; he grew them in beds free from any competing plants, which, of course, was not what happened in nature. In nature plants were under the stress of competition with other plants, and any little weakness in constitution that might have been caused by the composition of the soil then began to tell, and they succumbed to the pressure.

One of the difficulties about experimenting in questions of ecology was that one could not artificially reproduce that particular factor of competition and so measure, as it were, the constitution of the plant, which was insensibly upset by an excess or a deficiency of a constituent like lime. That was the great difficulty experienced in following up such questions experimentally.

In many cases, of course, the results found on the chalk soils were not so much produced by the chalk, considered chemically, as by the particular physical properties of the soil that were associated with the presence of a good deal of chalk. One generally got a very light, open warm soil, well drained, and some of the factors put down to the chalk were really due to that physical factor, as it were, with which the chalk was usually associated.

Mr. Hudson had quoted one writer as associating the flavour of good wines with calcareous soils. He was not sure that that was really correct. Mr. Hudson quoted, for

instance, the wine grown on the slopes of the Jura. Heaven forbid that he should drink that wine regularly as compared, say, with Bordeaux wines, which were grown upon a pure sandy soil, or the Côte d'Or wines, which were grown upon volcanic soil with comparatively little lime in it. What was known as perfectly certain was that the very choice vineyards, which gave a high quality of wine, were composed of comparatively poor soil. They gave a low yield, and they had an immense maturing power. They were well constituted to produce a long and well-ripened period of growth, and that seemed to be really the physical set of factors that were associated with high quality in the vine rather than the chemical factor of the presence of lime. It was just the same as sweetness in fruit in this country. He remembered years ago examining some fruit in Kent which had been taken from a particular orchard which stretched from the London clay on to the Thanet sand. The apples were of the same varieties, and for two or three years he had analysed those varieties. He had always found that the apples grown upon the clay, while they were smaller and greener and did not fetch quite so much on the market, were really of a greater specific gravity, had more sugar and flavour in them, and were much pleasanter to eat than the more attractive-looking apples that had been grown upon the sand. That was a case of association with a particular rate of growth rather than with any chemical constituents inside the soil.

Mr. Hudson had alluded to the striking phenomenon which was seen on some of the chalky soils, namely, that of chlorosis. Dr. Roux, in his book, had dealt very fully with the matter. Chlorosis was a very striking phenomenon on certain soils in this country. He could take the members to an estate in Hertfordshire, not far from Ware, where, at any rate some years ago, they could see hundreds of yards of laurel hedge, where the leaves of every tree were either ivory-coloured or pale yellow, and only about half the size of the ordinary laurel leaf. That colour was preliminary to the trees dying in the next year or two. All the laurels and all the fruit trees used to grow up in that chlorotic way. The disease was one which was extremely trouble-

some on certain types of soil. It was nearly always associated with chalk, but it was also certainly associated with a certain sticky, close-textured soil. The way gardeners had found they could get over it was by free aeration of the soil, the incorporation of considerable quantities of leaf mould, farmyard manure, and so on. Also, exact chemical methods of treatment were now being worked out at the research station at Cambridge which, he thought, did show some considerable promise of getting at the bottom of that particular chlorosis trouble which had been occupying the attention of scientific men for the last fifty or sixty years.

He thought they were all very much indebted to Mr. Hudson for the number of interesting questions which he had raised in his Paper.

Mr. HARRY GERMAN (Fellow) thanked Mr. Hudson for his Paper, and enquired whether it was possible for Mr. Hudson to print the notes to which he referred in his Paper. If they could be reproduced in the *Transactions* they would be of considerable value.

He would be especially thankful to learn from Mr. Hudson which of the clovers to which he referred did not like chalk.

The main reason which prompted him to get on his feet was to reply to that eminent authority, Sir Daniel Hall. He took strong exception to what Sir Daniel Hall had said about farmers not using lime. He (Mr. German) had lived through the bad times in the eighties, and he could remember lime being carted on to every farm in the district in which he had then resided. He entirely and absolutely disagreed with Sir Daniel when he said that the reason why farmers did not use lime was because of their "sheer ignorance." That was an entirely wrong statement to make, and, if it was the opinion of Sir Daniel's department, the sooner they amended it the better. He asked Sir Daniel Hall whether he could make farming a paying proposition by using 2 tons of lime per acre, which cost £6, and selling wheat at 40s. or oats at 28s. He himself could not make farming pay

under those conditions, although he farmed a good many acres. He had no intention of throwing money into the ditch in that way when he could find more remunerative ways of using it. At the present time all farmers realised the necessity for lime. They knew it was an absolute necessity on most agricultural land, but they could not afford to use it at the present price. They would have to revert, as they did in the eighties and nineties, to prairie farming if they could not get at a cheaper rate such necessary things as lime, and the Board of Agriculture could help them in that matter if they liked. He only desired to re-iterate that he was entirely opposed to the opinion expressed by Sir Daniel Hall as to the reason for the disuse of lime by farmers.

Dr. ROWLANDS (Visitor) desired to ask whether it was the presence of the physical property, or whether it was the alkalinity which occurred as the result of the lime, which caused the beneficial effect. Was there any other by-product? If it were due to the physical properties of lime, why was it that a ton or 2 tons of burnt lime were much more effective than 20 tons of ground chalk? Where he farmed there were hugh chalk-pits. Those pits had not been used for forty, fifty, or sixty years, and he could not gather from any farmer in his district that any lime had been put on any farm except his own. As an arable farmer he agreed with the last speaker; he defied any arable farmer at the present time to grow his corn crops at a profit. It could not be done.

He would very much like to know from Mr. Hudson whether the effect of the lime was due to its alkalinity allowing the bacteria in the soil to work. Did those bacteria require an alkaline media in which to grow, or was it due to the physical characteristics of the lime which was in the ground? If it was due to the physical characteristics of the lime in the ground, then 20 tons of chalk should be far superior to 2 tons of lime.

He thought the fact that lime-kilns were no longer used was due to the introduction of cement. There was a lime-

kiln in the farm next to his, and he asked the farmer why he had shut it down. The farmer replied that nobody wanted lime as they were now all using cement, and therefore he had shut down his kiln.

Sir DANIEL HALL, in reply to Mr. German's remarks, said he was sorry if he had annoyed Mr. German by his use of the word "ignorance." Perhaps it would have been better if he had said "forgetfulness." What he had meant was that the old farmers, down to, say, 1830 or 1850, had known that they could not continue their farming without the use of lime. Yet the use of lime throughout the country had ceased. That was the fact. Mr. German now said that farmers could not afford to pay for lime. Perhaps they could not at the present day, nor could they in the nineties, but there had been times between 1850 and the present when farming had not been unprosperous, and yet large farmers had not used lime when they could have afforded to pay for it and get a remunerative return from it. To say that that was ignorance might seem rather offensive, and he desired to withdraw that word, but he maintained that it did represent forgetfulness of an essential fact.

Mr. C. B. ROLFE (Professional Associate) thanked Mr. Hudson very sincerely for his excellent Paper. Lime was no doubt thought to be a very dry subject, which accounted for the comparatively small attendance that evening. He had read through the Paper twice, and he could say that if people only started to read it they would continue to the end.

With regard to the use of lime, he had visited the International Potato Conference the other day, where he was surprised to find that the use of lime in a certain district of Yorkshire had produced scab in the potato, and that the more lime or chalk that was put on the land the worse the scab became. To prevent this result it appeared to be necessary to plough in a green crop, such as mustard, before the potatoes were planted.

As a very amateur botanist he sometimes went about

the country with a book and jotted down the names of such plants as he was able to identify, and also put down, if he possibly could, the soils on which he found them. It was most interesting, after one had been doing that for some time and in various parts of the country, to find out and compare different plants and soils.

He had made one or two notes, but at that late hour of the evening he would not say anything further, except that when one decided to apply lime he thought it was essential that the lime should be analysed. That remark particularly applied to limestone. He believed that in Herefordshire analyses had been made, when it had been found that some of the limestones were practically worthless.

On the motion of the PRESIDENT, a hearty vote of thanks was accorded to Dr. Hudson for his extremely interesting Paper.

Mr. A. A. HUDSON, K.C., in reply, said the members had been extremely kind to him ; he had not expected anything like the reception which he had received that evening. He had very much doubted when he wrote the Paper whether it would really create any interest, but after the kind vote of thanks which had been proposed and passed, he was really inclined to believe that it had interested the members.

The discussion had rather drifted into the question of the manuring of soils by the application of lime. As he had previously said, he was not a chemist. One question had been asked, namely, whether the application of lime was beneficial owing to its chemical property or to its physical property. He was afraid he could not answer that question, but he could conceive cases where the physical property of the lime might be of material value.

Taking the case of a hot sandy soil, or a soil which was fairly dry, it was quite possible that chalk would be useful physically because it would tend to render the soil moist ; but he spoke subject to correction in the presence of Sir Daniel Hall. It seemed to him desirable that the chemical properties of the surface soil of every field in the country

should be known, just as in France, where every hamlet had its map with the surface soil marked on it. In addition there should be a kind of A B C, in which one could look up alphabetically the soil requirements of plants of all kinds. If such a book were available, anyone could see at a glance the chemical and physical properties of the soil suitable to the trees or plants which it was desired to cultivate. There was no reason why that should not be done. He could not understand why agriculturists and horticulturists should have to go on in the sort of humdrum fashion in which they had been going on in the past. Sir Daniel Hall had said that there was some little accumulation of knowledge on these matters. All he (Mr. Hudson) could say was that it had taken him nearly twenty years to find out the soil requirements of about 4,000 plants mentioned in books, and he had been obliged to send to the British Museum to collect information besides having to buy French and German books. It had been a great effort to acquire even the most elementary knowledge of the subject.

In every case the suitability of the plant to the soil was a question of degree, and the unsuitable plant would either die or, sooner or later, be crowded out under the law of the survival of the fittest.

That was why he thought that the study of soils in relation to plants was so important.

With regard to grapes, he did not intend to suggest that the soil of the Jura produced grapes rich in flavour, the climate was too cold ; he merely stated that the sunny slopes of the Jura were one great vineyard.

The PRESIDENT said he desired to add his meed of thanks to Mr. Hudson for introducing the subject. Mr. Hudson might be quite sure that he had not dealt with it in a way which the members of The Institution could for a moment criticise. Sometimes it was very much to their advantage to go back to first elements.

As to the use of lime, there could be no question of its desirability. In passing, he might say that The Institution welcomed the remarks of the younger members such as

Mr. Adkin, who had done so well at Cambridge when holding one of The Institution scholarships. They were glad to know that Mr. Adkin was continuing a study of such an important subject.

Something had been said about the disappearance of lime-kilns. He was not quite sure whether that was not partly to be attributed, especially in the south of England, to the lack of fuel. There was a lime-kiln on an estate which he had had to manage for a short time, but no lime had been burned in it for nearly a hundred years—not since the disappearance of the oak forests of Sussex. But the use of lime for grass land was becoming quite common on the dairy farms of Cheshire, where it had been used with the greatest possible advantage—to much greater advantage even than other dressings more purely manurial in character.

At the risk of tiring the members he might mention that there was a charming old book which he occasionally looked into, and in which he had found a quotation which seemed apposite and which he therefore proposed to read :—

“This field, for instance! *they never thought to see it look like this*: Now, could they answer the question—What does it yet want?—Yes! the instantaneous reply would be LIME. ‘Why?’ inquires Theory; ‘Because ‘it would *sweeten* it’—would be the answer. ‘But ‘WHY?’ Theory again asks. Practice is silent. What! silent after sixty centuries of ‘*Experience*’! Can nobody give us an answer—the truth, the whole truth of the operation of Lime upon soils? The Chemist attempts an explanation :—

“Its effect arises from its avidity for combination; it searches out free acids, as a ferret does a rat, and instantly *closes with them*. Sulphuric, phosphoric, silicic, nitric, humic, and last not least, the ‘Great Dissolver,’ CARBONIC acid: all these it *makes known*, by seizing upon them and becoming their base; thus disintegrating as it were, and reconstructing the elements of the soil, and exciting to a new action the sluggards of Nature wherever they are lurking.—It is the Composer and the Decomposer, for nature cannot suffer either process,

but fertility must follow: *re-composition* (growth) has begun ere *decomposition* is over: does a latent atom of organic matter stand inert for one instant? it is *at him*, like a Policeman,—‘Come, kip moovin’!’”

That was from *Talpa: or, Chronicles of a Clay Farm*, written fifty years ago, and was common-sense which ought to be drilled into every farmer at the present time, who, if he could not afford to find lime for himself, should beg it of his landlord.

He desired to express to Mr. Hudson, on behalf of The Institution, a keen appreciation of the value of his researches. Learned men before him had, he would not say dabbled in agriculture—they had done something more—they had studied it, for the *Life of Arthur Young* discloses that he had no less a correspondent on the subject of growing carrots and subsoil ploughing than the great Edmund Burke.

PAPER 466.

THE PROBLEMS OF GREATER LONDON.

By W. R. Davidge (Fellow), F.R.I.B.A., A.M.I.C.E.

To be read at the Ordinary General Meeting of The Surveyors' Institution, on Monday, 9th January, 1922.

What are the problems of Greater London? Most of us will have a different answer to this question, and most of us will be right. There are an infinite number of problems, many with numerous solutions, some with only one solution, and possibly some with no solution at all.

The recent establishment of a Royal Commission to inquire into the local government of the county of London and the surrounding districts has brought into prominence the particular problems concerned with local administration, but to understand these aright it is necessary to know something of all the other problems which vex the life of the suburban dweller and the citizen of Greater London.

We are not limited to-night even by the wide terms of reference of the Royal Commission, which I will touch upon later, and so are free to consider the problems, or such of them as come within our purview, from the point of view of the surveyors of Greater London, who are concerned with most of these problems, some of us from the aspect of government or local administration, but all of us in some way connected with the kindred problems of this great and intricate community.

The problems of providing for and maintaining so huge and widespread a population may perhaps be best summarised under the heads of the essentials of existence:—

- (1) The problems of Transport ;
- (2) The problems of Feeding and Maintaining ;

- (3) The problems of Health and Safety ;
- (4) The problems of Education ;
- (5) The problems of Local and Central Administration—
rating and finance.

It will be seen that the problems of local government and administration at some point or another will touch upon every one of these other problems, and it is impossible to proceed far with an inquiry into the last of these problems without realising that local government is, after all, only a means to an end, the desired end being the successful solving of the other four problems of transport, food, health, and education, and thus securing the comfort and well-being of the individual citizen.

Transport I have put in the first place, because it is the problem of transport not only of the inhabitants, but of their food and supplies, their merchandise, their coal, and their building materials, which makes the main difficulty of Greater London and differentiates it from all other communities.

Nowhere else in the world is so large a population concentrated in so few miles, and in no other town in the world has so much travelling to be done. In no other city are there quite so many problems of local administration nor quite so many authorities. It is a commonplace that within the area of Greater London is a population equal in numbers to that of the Commonwealth of Australia and the Dominion of New Zealand put together ; and when it is remembered that practically the whole of the supplies for this population have to be brought in by river, by rail, and by road, it will be agreed that in the organisation of such a community the problems of constantly transporting, feeding and maintaining such a population, with occasional strikes and fogs to contend with, are even more difficult of solution than the problems of public health.

In the public health administration, however, of this the largest community in the world, there is ever present the need for watch and ward against disease. From time to time epidemics like the influenza of 1918 sweep across the

world, and it is only due to the constant watchfulness of our port medical officers and public health officers generally that London has proved one of the healthiest cities in the world.

The water supply is pure, although it comes from the Thames, and, possibly because of this, the Thames is now more or less pure, though it was not always so. Sanitation and main drainage have probably done more to make London healthy than any other measure. The air is slowly getting clearer owing to the growing use of gas fires and other forms of heating, and the smoke nuisance is gradually being dealt with. Fogs we still have, but certainly with less frequency than in days gone by.

The safety of the public as to health is guarded by the sanitary authorities; their safety in life and limb as well as property is guaranteed by the police and the fire brigade.

The education of their children is the care of the State, but even in this matter the local authority have the work to do, and in such a community as London this is a mighty task.

With such a multitude of divergent problems, the difficulties of local government administration are intensified, and it speaks volumes for the common-sense and good will of county and local authorities that our cumbrous and often overlapping machinery has worked so smoothly. To provide an entirely new constitution for such a commonwealth is somewhat of a tall order; but we shall, I think, be agreed that one central authority is necessary, and that at the same time the local authorities throughout the area must be strengthened rather than weakened.

Practically all growing cities are suffering from the same difficulties of co-ordination in local government that Greater London is at present experiencing, though of course not to the same extent.

The city of Boston and the cities of Sydney and Melbourne, for instance, are each surrounded with thirty or forty suburban townships, possessing even more independence than local authorities in this country, and almost similar difficulties in administration exist.

In these cases there are already existing Metropolitan

Water and Sewerage Boards, and in the case of Boston a Metropolitan Board of Park Commissioners.

Even in 1913 there was a Royal Commission to consider the constitution of a greater Sydney, and the Report of that Commission, running to 450 pages, is of interest at this juncture.

The large towns of Great Britain have, in a lesser degree, experienced the same inconveniences, and every Parliamentary Session witnesses city or borough extension schemes. *No growing town can stand still.*

The Royal Commission.

The terms of reference to the Royal Commission on London government are :—

“To inquire and report what, if any, alterations are needed in the local government of the Administrative County of London and the surrounding districts, with a view to securing greater efficiency and economy in the administration of local government services, and to reducing any inequalities which may exist in the distribution of local burdens as between different parts of the whole area.”

There is a great temptation, on reading the terms of reference, to plunge at once into the various forms of local government and systems of administration under which Greater London manages, somehow, to keep going.

Let us, however, resist this temptation to start with the machinery, and deal with the matter in the order which we have already set before us. What do we want the machinery to do ?

To transpose the terms of reference to the Royal Commission :—

- (1) *The primary object is to secure greater efficiency and economy in the administration of local government services ; also*
- (2) *To reduce any inequalities in local burdens ; and*
- (3) *With a view to the above to consider what, if any, alterations are needed in the local government of Greater London.*

The subject divides itself naturally under two parts :—

I.—The Essential Services;

II.—The Administration.

Certain services can best be carried out under central control; other services are best localised: and it must be obvious from the outset that a central authority or authorities for particular purposes there must be, and it is equally clear that there must also be a large number of local authorities.

Let us first, then, consider the services which are essential to the community, and then which form of authority can best deal with them.

I.—ESSENTIAL SERVICES.

1. Transport.

The main problem, so far as it concerns the average Londoner, is how to find and keep a decent home together. In ninety-nine cases out of a hundred he must journey to London daily, or, at any rate, is dependent upon London for his work, so that even the locality of his home is dictated by the transport facilities available. Given a general direction due to the position of his place of business, the exact limitations of his choice are defined—

(a) by the time taken in transit;

(b) by the cost of travel.

TRAFFIC CONGESTION.

In certain directions the time has been greatly reduced by the electrification or other speeding-up of the means of transit.

Immediately the line becomes popular the effects of overcrowding become apparent. Traffic congestion and strap-hanging are most in evidence where the transport facilities afford the greatest attraction.

The discomforts of travel for suburban Londoners are becoming well-nigh unbearable.

The facilities for quicker travel have much increased, but

have nothing like kept up with the increased number of people who now travel to and from London daily. Our railway companies are electrifying their services, but more people have to stand up.

The Underground and Tube Railways do their best, the motor-omnibuses and trams carry their full quota, but in the rush hours the overcrowding and discomfort are intense.

Then the slowness of it all. Even the Tubes, our fastest means of conveyance, have so many stops that the average over-all speed cannot be much more than 18 miles an hour. In fact, allowing for walking to and from the station and delays in waiting, the average suburban dweller who lives ten miles out takes at least an hour each way.

The whole of our transit system in Greater London requires to be overhauled and improved. An entirely new plan is necessary. We want new railways, new express tube services, street widenings, quicker trams, and non-stop omnibuses.

RAILWAYS.

At present many of the suburban trains and all our tubes are trying to do duty as omnibuses, stopping practically everywhere where there is a chance of picking up traffic. If the new central authority is to have any real power to improve London it must start by controlling all means of traffic.

To quote from the poster to be seen in many District Railway trains:—

THE GROWTH OF LONDON.

ALL DEVELOPMENT MUST BE BASED ON
RAILWAYS. THEY ALONE CAN PROVIDE
THE SPEED AND CAPACITY NECESSARY TO
A HEALTHY GREATER LONDON.

“But the railways must be speedy!”

The railway companies apparently realise this fact, but do they act upon it? There are nearly 670 miles of railway

and some 628 passenger stations in Greater London—almost sufficient, one would think, if properly used.

Railways must be used as railways and not attempt to stop every half-mile or mile.

TUBE RAILWAYS.

The Tube Railways of London have been planned with stations at every important point, and it becomes impossible to get really rapid transit under these conditions. If this is to be done, either a large number of stations must be closed or, preferably, another “express” tube driven underneath with stations not oftener than every five miles.

The heavy cost of tube railways—about £600,000 a mile—is almost entirely due to the cost of the stations which are responsible for three-fourths of the cost. If the stations were kept five miles apart, a railway of double the length could be constructed at half the price and provide *really* rapid transit to the outskirts.

Great extensions of the Tubes and Underground Railways will have to be made in all directions. In the south-eastern section of London not a single tube has yet been constructed, and there is a big field for new construction.

Shall the central authority finance these, as is done in New York, or construct them or merely control them? The public must have some say in a matter which so vitally affects their interests. Government control is insufficient, and the new central authority, which represents Londoners, must somewhere have a thinking department which will look ahead and provide for future needs.

OMNIBUSES.

The main functions of the omnibuses should be to take short-distance passengers and act as feeders to the railway systems, although in the outlying districts, where traffic is light, a frequent service of buses or trams is of the utmost value in opening up a district for development.

The great advantage of the motor-bus is its “flexibility,” which renders it largely independent of other vehicles and also enables routes to be changed at any time.

TRAMS AND LIGHT RAILWAYS.

Trams, with their large holding capacity, convey a vast number of passengers, but nothing like the full use is obtained from them owing to frequent stops and traffic blocks.

In the outskirts especially the tramways might well become light railways, running on special tracks—not necessarily alongside roads.

The well-known examples of light railways running between Lille and Tourcoing or Cologne and Bonn will rise to mind in this connection.

Here though we are up against a difficulty. If the new central authority is to regulate all traffic in Greater London, it obviously should not itself be a competitor; it must either own all or none, but control it must have.

According to a statement by the London County Council Tramways Department, the numbers of passengers carried by the various forms of public conveyances in Greater London during 1920 were as under :—

Trams	1,065,788,631	passengers.
Omnibuses	935,946,002	„
Railways—		
Tubes (combine) ...	265,587,941	„
Other local railways	424,000,000	„
Suburban traffic on trunk lines ...	368,000,000	„

Roughly, 1,000 millions of passengers per annum are carried by each of the three methods; in other words, the average Londoner makes use of tram, bus and rail in about equal proportions.

ROADS.

The main roads of London are much the same as they were eighty years ago; in fact in many places they have been narrowed by encroachments.

A new main road system will have to be designed and the present roads improved whenever opportunity offers. Building lines must be laid down so as to secure ample

width. The construction of a few new arterial roads is proceeding at the present moment and affords a valuable outlet for unemployed labour, but no carefully thought-out plan of roads for the future of London has yet received official sanction.

This is one of the first duties which must be assumed by the new authority.

Local roads and street maintenance will no doubt continue to be under the control of the local authorities.

2. Water Supply.

Up till the passing of the Metropolis Water Act, 1902, the water supply of London was in the hands of eight private companies, and in 1903 the Metropolitan Water Board was formed as a special water authority to take over the undertakings of the following companies:—

New River Company ;
 East London Waterworks Company ;
 Southwark and Vauxhall Water Company ;
 West Middlesex Waterworks ;
 Lambeth Waterworks ;
 Chelsea Waterworks ;
 Grand Junction Waterworks ;
 Kent Waterworks ;

and the water undertakings of the Tottenham and Enfield Urban District Councils.

The Metropolitan Water Board consists of sixty-six members appointed by the local authorities as under:—

London County Council	...	...	14
City Corporation	...	...	2
Westminster City Council	...	...	2
Metropolitan Boroughs	...	...	27
Five County Councils	...	...	5
Local Authorities	...	...	14
Thames Conservancy	...	...	1
Lea Conservancy	...	...	1

The common need during such dry summers as that we have recently had has emphasised the invaluable nature of the services already performed by the Metropolitan Water Board in the provision of storage accommodation and the need for providing not for a rainy day, but for the days when there may be no rain.

Outside this area, particularly in Surrey and Middlesex, however, there still exists a number of separate water undertakings.

The Metropolitan Water Board also supply some of these outside authorities with water in bulk, the figures in 1918-19 being :—

Richmond Corporation	...	...	243	million gallons.
Croydon Corporation	...	...	446	" "
Cheshunt Urban District Council	62	" "		" "

It will be seen from the map that the area supplied by the Metropolitan Water Board extends a long distance into Kent, and also includes the detached areas of Ware Rural District Council on the north and Romford Urban District Council on the east. (See Map facing page 102.)

3. Sewerage and Sewage Disposal.

In such a large grouping of municipalities as occurs in Greater London it will be obvious that the geographical and natural features of this portion of the Thames Valley will group the authorities into two main divisions north and south of the river respectively, and each tributary stream, such as the Lea, will again divide each of these areas into smaller sub-divisions.

Regarded in this light, Greater London splits itself into at least a dozen main natural divisions.

Fifty years ago the formation of joint drainage boards based on these natural areas was a practicable proposition, and in several cases proposals were made for the amalgamation of authorities for drainage purposes.

The joint authorities now in actual existence are the Richmond and Mortlake Main Drainage Board, and the West Kent Main Drainage Board.

The Lower Thames Valley scheme of forty years ago never materialised although large sums of money were spent. It used to be said of this scheme that nothing remained of it but the *debt*, and even that I fancy is gone now.

The L.C.C. main drainage area north of the river also takes the drainage of West Ham, East Ham (part), Tottenham and Wood Green, Willesden and Acton, as well as small portions of Chiswick and Ealing, and two houses in Edmonton.

The L.C.C. area south of the river also includes the drainage of Penge and parts of Beckenham and Croydon, as well as a small portion of Mitcham.

The L.C.C. main drainage thus takes either the whole or a portion of the drainage of 13 outside local authorities.

It is now almost too late to speak of the possible inclusion of other areas; and the number of little sewage disposal works scattered all over Greater London, and discharging their effluent into the Thames or its tributaries, are a monument to the unnecessary cost of dealing with such matters by administrative boundaries instead of in natural drainage areas, under which enormous savings might have been effected.

The condition of the River Lea is already a cause for anxiety, and it may well be that in the course of a few years further large intercepting sewers will be needed to pick up the soil drainage from these widely scattered districts. When that time comes, the local authorities will be relieved to have a central authority upon whom to fall back.

In considering the detailed house drainage, it should be remembered that there are at present wide differences in the law as administered in the L.C.C. area under special Acts and by-laws and that of the outer authorities who are governed by the Public Health Act of 1875.

The words "sewer" and "combined drain" will bring up pleasant memories of these discrepancies.

4. Gas and Electricity.

The public services for heating and lighting by gas and electricity are at present largely owned by private com-

panies, though in the case of electric light there is a large number of municipal undertakings.

The gas companies at present operating in the L.C.C. area are :—

Commercial Gas Company ;	
Gas Light and Coke Company ;	
South Metropolitan Gas Company ;	
South Suburban Gas Company ;	
Brentford Gas Company ;	
Wandsworth and Putney Gas Company	} amalgamated ;
Mitcham and Wimbledon Gas Company	

and numerous other companies in the outer area.

Of public electric light undertakings in Greater London there are 42.

The electric light companies are 32, of whom 13 operate within the area of the county of London and 19 in outer London.

A scheme for a Joint Electricity Authority has been prepared, and will no doubt materialise under the ægis of the new "central authority." The area to be allocated to the new Electricity Authority is under consideration by the Electricity Commissioners.

SMOKE PREVENTION.

During the last twenty years, and particularly during the last five years, the atmosphere of London has been growing steadily clearer. We all know how clear and beautiful was the atmosphere in London early in 1921 during the prolonged coal strike, and, owing to the extended use of gas fires and electrical power, we may hope for still better results in the years to come.

According to a recent statement by Dr. J. S. Owens, in the winter of 1916 the average monthly deposit of solid impurities in the London atmosphere amounted to 41 tons per square mile, of which $6\frac{1}{2}$ tons were carbon or sooty matter. In 1921 the average monthly deposit had fallen to 23·2 tons per square mile, with barely 5 tons of actual "smuts."

Multiply these monthly figures though by 12 to give the annual figures and then by the 693 square miles of the London police area, and a sufficiently alarming total will be reached to show that there is still ample room for improvement and further effort both by local authorities and householders.

5. Fire Brigade.

The high efficiency of the London Fire Brigade has always been a source of pride to London. The Brigade, originally formed by a combination of insurance companies, was taken over by the Metropolitan Board of Works in 1865, and has ever since, by its promptness and efficiency, as well as the heroism of its individual members, won a high place in the esteem of all Londoners.

The London County Council now possess some 90 fire stations distributed over the administrative county and controlled from the fire brigade headquarters in Southwark.

The 90 outer local authorities each have one or more stations ready to deal with local outbreaks; the smaller authorities mostly having voluntary brigades.

During the war special arrangements were made by which a certain number of the outer brigades were controlled from the central headquarters. In any case some grouping of local authorities into districts for fire protection purposes would probably be advantageous, and direct telephonic communication with central or district headquarters is essential.

Fire prevention is, however, a matter which can be dealt with promptly only in small areas, and each local authority is probably its own best protector in this respect, though central co-ordination and direction is essential.

6. Building Control.

At present the system of building control in the metropolitan area is difficult for the architect or surveyor, and almost impossible for a layman to understand.

In the L.C.C. area the London Building Acts are in force, administered by the various district surveyors, who are all architects and surveyors by profession, appointed by

the London County Council but not paid by them, their remuneration being derived solely from fees payable by builders, or owners, in respect of new buildings or alterations.

In the outer area there are some 90 local authorities, each with their own set of by-laws, which differ materially from those of the adjoining authorities, each district being supervised by the borough, or local, surveyor, or a building inspector acting under his direction.

Except, I believe, in one case, no fees are payable, the remuneration of the surveyor being obtained from the rates.

The provisions for dealing with dangerous structures under the London Building Acts are naturally much more drastic than those in the outer districts derived from the Public Health Act. Generally speaking, in the L.C.C. area structures dangerous to any person can be at once dealt with; in outer London only such structures as are dangerous to the *public* can be dealt with.

The present diversity of practice between the inner and outer areas will probably remain until necessity arises for an alteration in the law.

HEIGHT OF BUILDINGS AND ZONING.

The agitation which has recently been conducted for higher buildings in London points to the necessity for careful consideration to be given, in any revision of the building code, to the changing conditions of London. Districts which have always been residential are slowly invaded by commercial or business premises, and everywhere in the central districts there is a tendency for buildings to become higher.

The present limit of height in the L.C.C. area is 80 feet plus two storeys in the roof, and in the opinion of many of us this is amply sufficient, considering our narrow streets.

Cases will arise where higher buildings might be allowed, and the discretionary power should undoubtedly rest with the central planning authority.

The same authority should also have power to lay down districts or zones for industrial and residential use and for prescribing the conditions as to height and space about

buildings, width between buildings, and building lines generally.

The actual administration of the building code must, however, be in the hands of the local surveyors.

7. Refuse Removal.

At present the 29 borough councils of the inner area and the 90 local authorities of the outer area have each their own methods of refuse disposal, and in many districts there are a dozen or more separate ways of disposal. Refuse is collected daily, weekly, or at even longer intervals. It is dumped into depôts and tips, into low-lying land and "shoots" in all directions. Some thousands of tons are barged out to sea, other thousands of tons are sent off by rail into the country to make an unsightly scrap-heap of the countryside. Other thousands of tons are carted to the dozens of destructors, to emerge again in a diminished form as "clinker and fine ash."

The cost of this collection and disposal of refuse is enormous, but it is difficult to see what other methods could be adopted.

From a calculation recently made by the cleansing superintendent of the City Corporation it appears that the refuse from the L.C.C. area alone amounts to $1\frac{1}{2}$ million tons per year, distributed as follows:—

	Tons.
To tips on river and canal	728,584
„ tips on railway	279,411
„ tips where refuse is "shot" direct from collecting vehicles	142,281
„ destructors	300,402
„ contractors for manurial purposes...	16,125
	1,466,803

Various suggestions have been made for co-ordinating the public services in connection with refuse collection and disposal, but in view of the fact that large aggregations of refuse cannot be allowed to remain at any one depôt, it

is extremely doubtful whether any great saving can be effected.

This question of really satisfactory disposal of refuse is perhaps insoluble, but it certainly requires thought and co-ordination.

8. Noxious Trades.

There are still large areas of riverside land in the lower reaches of the Thames which are admirably suited for the purpose of the noxious trades at present scattered through the length and breadth of Greater London, and particularly perhaps for the trades connected with hides and skins at present collected in the neighbourhood of Bermondsey.

Such trades must necessarily be within easy access of the foreign cattle wharf and the public abattoirs.

On the subject of abattoirs, again, we have another matter which might fittingly be controlled by a central authority and the situation of these will obviously depend on the leading lines of communication.

At present the general needs of London are met by public abattoirs at Islington and Deptford and a *thousand* or more scattered slaughter-houses all over the area of Greater London, licensed annually by the local authorities.

9. Educational Services.

Education is nominally *national*, but in practice it will be remembered that it is in general on a county basis, and accordingly in London there are many anomalies, especially in connection with scholarships and similar facilities.

Out of 61,000 students in technical schools in the L.C.C. area 11,000 students come from outside the county.

Out of 69,000 pupils in secondary schools 9,000 come from outside the L.C.C. area, and it is naturally difficult to persuade the outside authority to pay for them.

The six county authorities dealing with Greater London have by conference from time to time arrived at a general working basis which to a large extent removes these inconveniences.

Education, however, is a big business even for the area of the present county of London, and it may well be that a

national service of such magnitude should be dealt with separately.

10. Hospitals, Sanatoria, and Asylums.

Infectious diseases are dealt with by the Metropolitan Asylums Board and by *groups* of local authorities.

Sanatoria and asylums are in general under the various county authorities.

11. Public Markets.

In ancient times the erection of markets and fairs formed a part of the King's prerogative, and none could exist except by direct grant from the Crown. Thus Henry III. covenanted by charter with the city of London not to grant permission to anyone else to set up a market within a radius of seven miles from the city, and this privilege was subsequently confirmed by a charter granted in the first year of the reign of Edward III., dated 6th March, 1326.

While the Corporation has from time to time waived its rights in order to permit of the establishment of markets in London by private enterprise where a demand apparently existed, its franchises as the market authority for London have been frequently recognised and confirmed in recent years by Acts of Parliament and decisions of the High Courts of Justice.

The markets of London are almost as numerous as the local authorities, but for practical purposes the main markets are—

CORPORATION MARKETS.

Smithfield Market...	... Meat.
Islington Market ...	... Cattle. (Home)
Deptford Cattle Market	... Cattle. (Foreign.)
Billingsgate Market	... Fish.
Leadenhall Market	... Poultry.
Spitalfields Market	... Fruit and Vegetables.

OTHER MARKETS.

Covent Garden Market	... Vegetables, Flowers, and Fruit.
Borough Market ...	... Potatoes and Vegetables.

In several of the outlying suburbs, such as Woolwich, Brentford, Romford, Kingston, and St. Albans, there have from time immemorial been local markets, which form a valuable adjunct to the central markets.

The tendency though is undoubtedly to concentrate on the larger central markets to the exclusion of the smaller and more local market.

The control of the central markets has for centuries rested with the City Corporation, and the local markets are in most cases controlled by the local authority.

Markets are in general the growth of centuries, and are not easily established. There are, however, at present many traffic difficulties in getting to and fro from existing markets, and it will be agreed that in a properly planned Greater London there will be room for a number of easily accessible district markets possibly planned by a central authority but under the administrative control of a district authority.

With the growth of the large departmental stores during the last twenty years, there is everywhere evident a tendency to group the smaller businesses into one large concern, which, in most cases, can provide the best of services and the best of materials at a convenient centre and at most reasonable prices. These to some extent lessen the need for local markets.

12. Parks and Open Spaces.

The provision of parks, and the safeguarding of open spaces in the past, has been generally the result either of public agitation or fortuitous circumstance. It should no longer be left to chance or public clamour to safeguard our open spaces and preserve such spots as Kenwood. A definite open space policy pursued consistently over a long term of years will be essential when Greater London is at last considered as a whole. The larger open spaces will still be a matter for the central authority, and the local open spaces and playgrounds a definite part of the work of the local authority.

THE NEED FOR A PLAN.

The recent Departmental Committee of the Ministry of Health on Unhealthy Areas (1921), after investigating the slum conditions which have arisen and are arising in the London area, reported as follows:—

“Need of a New Authority for Greater London.

“Our interim report indicated our opinion of the necessity for the preparation of a general plan for the reconstruction of London, and for a new authority covering a larger area than that of the London County Council, and having powers to deal with certain subjects common to the whole district. We desire now to repeat and emphasise our recommendations in these two respects

“Seeing that some little time is in any case likely to elapse before the (new) authority could come into being, we wish to press the desirability of at once authorising some person or persons with experience and suitable qualifications to prepare this plan, the result of which might be available for the new authority when it comes into operation. In our opinion such a plan as we have in mind could hardly be completed in less than two years; it would necessarily be preceded by a survey, including the collection of a considerable amount of material, and we think that even in present circumstances the cost would not be such as would justify any further delay in setting to work upon a matter which is vital to the chief city of the Empire.”

The Ministry of Health has at present taken no action on this recommendation beyond the appointment of the Royal Commission, but all will agree that something should be done without delay.

The responsibility at present rests with the Ministry of Health.

Planning of New Routes.

The London County Council has, up to the present, refrained from exercising its powers with reference to town

LONDON circa 1560

SHOWING THE CITY & LIBERTIES
OF LONDON AND WESTMINSTER.



W. R. DAVIDGE. 118. 8A
27 ABINGDON ST.
S.W.

THE CITY AND ITS FIRST EXTENSIONS.
DOTTED LINES SHOW PRESENT CITY BOUNDARIES.

planning. No official reasons for this inaction have been given, but it may be assumed that the reasons are:—

- (1) The comparatively limited amount of open space and building land within the county boundary ;
- (2) A reluctance to go outside the county boundary ;
- (3) Fear of claims for compensation.

It is fortunate, perhaps, that there has been little building during the past seven years, but even during the twelve years which have elapsed since the passing of the first Town Planning Act in 1909 a good deal of development has taken place, even within the county area.

Meanwhile the local authorities in outer London have not been idle, and much preliminary work has already been accomplished, so that the compulsory clauses of the Housing and Town Planning, &c., Act, 1919, when they come into effect, will not find them wanting. A tendency which is distinctly encouraging is the voluntary grouping of local authorities for the purposes of town planning. Much co-ordination is, however, necessary, and the Ministries of Health and Transport will, no doubt, assist in this direction until a new central authority for the purpose is formed.

One of the changes which is slowly taking place is *decentralisation of industries*. One by one the big firms of manufacturers are leaving the central districts sometimes to settle in the outer ring—where land is cheaper and transport and housing both available—and sometimes to start afresh in a country town.

“Sub-Urban” Towns.

Numerous attempts have been made in the past, from Queen Elizabeth downwards, to stop the growth of London. Many people have since made fortunes on individual estates, but no one has yet attempted to deal with London's natural growth by a complete system of well-designed satellite towns.

The new authority will be able to do so if they desire, and it should be borne in mind that they need not necessarily be *new* towns, and that there are numerous

country villages anywhere within a radius of fifty miles which, with improved railway facilities, would make ideal centres for such an experiment.

Housing.

The future of Government and municipal housing schemes is still under discussion, and the present is not the occasion to discuss the question of national policy. It will be obvious, however, that, so soon as economic conditions are re-established—and they *must* be re-established—it will be the duty of local authorities again to consider their responsibilities under the Housing Acts.

This is clearly a subject in which the central authority and the local authorities will be called upon to act together, and it should not be difficult to agree the lines upon which both should act. The local authorities should be primarily responsible, but should be able to look to the central co-ordinating authority for substantial help and financial backing.

Land Acquisition by Public Bodies.

On the legal side one of the changes in the law which is essential, if the new authority is not to be hampered at the outset, is a simple way of acquiring land for public purposes at a fair and reasonable valuation.

The valuable object lesson of the Housing, Town Planning, &c., Act, 1919, and of the Unemployed Relief Works Act, 1920, will not be lost sight of.

It should be made possible for any local authority to acquire land on reasonable notice and at a reasonable figure to be fixed by an impartial member of this Institution after hearing both sides of the case.

II.—ADMINISTRATION.

The existing public bodies are:—

Inner area—

The London County Council.

The City Corporation.

28 Borough Councils.

Outer area—

- 5 County Councils (of which Middlesex only is wholly within the area of Greater London).
- 3 County Boroughs.
- 7 Municipal Boroughs.
- 65 Urban Districts.
- 12 Rural Districts.

Poor Law—

- 50 Boards of Guardians.
- Metropolitan Asylums Board.

General—

- Metropolitan Water Board.
- Port of London Authority.
- Thames Conservancy Board }
- Lee Conservancy Board }

1. Growth of the Present Systems of Local Government.

The problem of London government has always been a difficult one, ever since the community grew outside the original walled city into "moorfields," and the outer liberties, which now make up the City proper, first established itself across the bridge in Southwark, then spread into the adjoining "City of Westminster," which in turn had its outlying parishes and liberties such as St. Giles and St. Martin's in the Fields, and later, pressing outwards still, absorbed the outlying villages, such as Islington and Paddington. To create further "cities" was impossible, but for convenience all these outlying villages, still separated by wide fields, were included in the Bills of Mortality, but otherwise continued their separate existence under their own vestries, although grouped in 1832 for parliamentary purposes into seven boroughs.

The Metropolitan Police were established in 1829, and superseded the parish constables and watchmen, but the parishes still continued as separate units.

ROYAL COMMISSION OF 1837.

Under the Municipal Corporations Act of 1835 the other municipalities of England and Wales were reorganised

on the lines of the Reform Act and their areas extended, but London was reserved for further consideration. The Commissioners upon whose report the general reform of municipalities had been effected proceeded in 1837 to make a special report on the case of London. They pointed out how small a proportion of the metropolis was within the boundary of the City Corporation, their estimate being that it was even then "less than a ninth of the total population of what might be considered the town of London."

The Royal Commission in 1837 reported that they did not find any argument, except in its magnitude, why London should not be treated in the same way as other towns, and they were "unable to discover any circumstance justifying the distinction of a smaller area within the municipal boundary from the rest, except that in fact it was, and had long been, so distinguished."

They then proceeded to consider the possibility that the outer districts, as then existing, might be formed into separate communities, "if indeed the multifarious relations to which their proximity compels them would permit them to be isolated and independent."

While thus discountenancing the creation of separate municipalities, the Commissioners called attention to the special conditions of London as the seat of government, and after indicating the functions which they thought could most economically and efficiently be performed by an undivided authority, they added that "the only real point for consideration is how far these duties for the whole metropolis could best be placed in the hands of a metropolitan municipality, or how far they should be entrusted to the officers of His Majesty's Government."

THE SPREAD OF BUILDING, 1844.

The coming of the railways in the late thirties and early forties of last century began to spread the population rapidly, and it soon became fashionable to live in the country and come into London daily by the new means of locomotion. There were many far-seeing people who saw that London might spread even further still.

By the Metropolitan Building Act of 1844 (7 & 8 Vict., cap. 84) the area of London was extended to include the outlying districts of what is now the county of London, viz., Fulham, Hammersmith, Kensington, Paddington, Hampstead, Hornsey, Tottenham, St. Pancras, Islington, Stoke Newington, Hackney, Stratford-le-Bow, Bromley Poplar and Shadwell, Chelsea (detached), Woolwich, Charlton, Greenwich, Deptford, Lee, Lewisham, Camberwell, Lambeth, Streatham, Tooting, and Wandsworth.

It was foreseen that further increase of population outside these limits was probable, and that the tendency to induce building speculation in such neighbourhoods was considerable. Power was therefore actually reserved in the Act of 1844 for Her Majesty in Council to order by proclamation that the Act might be extended to any district within twelve miles of Charing Cross.

New streets in the metropolitan area were for the first time required to be 40 feet in width.

Previous to the formation of the Metropolitan Board of Works in 1855 the local government of London was in a far more chaotic state than it is to-day. Within the metropolitan limits the local administration was carried on by no fewer than 300 different bodies deriving powers from about 250 different local Acts, in addition to innumerable general Acts, and the total number of councillors or vestrymen, who, by the way, were then termed "commissioners," was somewhere about 15,000.

ROYAL COMMISSION OF 1853.

In 1853 a Royal Commission appointed to inquire into the state of the Corporation of the city of London, took into consideration whether it was practicable to give a municipal organisation to the whole of London by means of an extension of the boundaries of the City. This method did not commend itself to the Royal Commission of that date, and it was they who first recommended a division of the metropolis into municipal districts, and the creation of a central Metropolitan Board of Works to deal with matters which concerned London as a whole.

METROPOLITAN BOARD OF WORKS, 1855.

The Board, constituted under the Metropolis Local Management Act, 1855, was composed of representatives of all the existing vestries, either separately or grouped into district boards, including the ancient city of London. These representatives were not elected by the ratepayers direct, but by the local governing bodies, each of which returned one, two or three members according to the population and rateable value represented.

The compelling cause for the inauguration of this, the first of London's central authorities, was the need for an efficient sewerage system.

The innumerable commissioners of sewers had each done their duty in providing sewers to carry off the rain water, and upon the compulsory abolition of cesspools which had been effected by the Metropolitan Commissioners of Sewers under an Act of 1848, the numerous sewers discharged crude sewage in vast quantities into the river. The condition of the river was pestilential, and the epidemic of cholera which swept the metropolis was largely instrumental for the demand for better and more effective sanitation.

Everyone will admit that during the thirty-three years of its existence the old Metropolitan Board of Works did great things for the improvement of London.

In its early days the Fire Brigade was run by the insurance companies, and the Metropolitan Fire Brigade, now at last under public management, became the pride of London.

The great system of main drainage and the Thames Embankment will always stand as a sufficient monument, apart from the all-important street improvements which were carried out by the Metropolitan Board.

It is to be regretted that its later days were tarnished by those who should have upheld the high purposes with which it was established.

Select Committees of the House of Commons sat in 1861, 1866 and 1867 to inquire into the local government and taxation of the metropolis. The Committee in 1867 made

a number of suggestions, the principal being that London should be constituted a county of itself, under a directly elected "Municipal Council of London"; that its powers should be still further extended as regards gas and water, railways, and securing uniformity of assessment; that the then existing divisions of London should be readjusted and divided into convenient wards, with a "common council" for each district; that these common councils should absorb the boards of guardians; and that all the police of the metropolis should be under one control.

In 1884 Sir William Harcourt introduced a Bill for the creation of a single municipality for London, by an extension of the area and a reform of the constitution of the ancient City Corporation, with delegated powers to be exercised by local bodies. The Bill was eventually withdrawn, but its introduction and discussion did much to awaken interest in the question of London government.

FORMATION OF THE LONDON COUNTY COUNCIL, 1889.

In 1889, following on the general establishment of county councils, the London County Council was formed as a directly elected body to take over the functions of the old Metropolitan Board, the City Corporation, however, retaining their ancient rights, for example, their powers as to markets, as to foreign cattle, and as port sanitary authority, while the 41 vestries and district boards became merged into the 28 metropolitan boroughs in 1900.

FUNCTIONS TAKEN OVER BY LONDON COUNTY COUNCIL.

The main functions to be taken over by the County Council were summarised in the concluding report of the Metropolitan Board of 1888 as—

- (1) The maintenance of main sewers, the interception of sewage from the Thames, its conveyance to a distance from London, and its purification before being discharged into the river;
- (2) The prevention of floods from the Thames;
- (3) The formation of new main thoroughfares through crowded districts and the carrying out of other great improvements;

- (4) The control over the formation of new streets, and over the erection of buildings, and the construction of local sewers. The naming of streets and numbering of houses;
- (5) The construction and maintenance of highways across the Thames, whether in the form of bridges, tunnels, or ferries;
- (6) The formation and maintenance of parks and gardens, and the preservation of commons and open spaces;
- (7) The demolition of houses in areas condemned as unhealthy, and the sale or letting of the land for the erection of improved habitations;
- (8) The maintenance of a fire brigade for the extinction of fires, and the saving of life and property in case of fire;
- (9) The supervision of the structural arrangements of theatres and music-halls, with special reference to the safety of persons frequenting them;
- (10) The sanctioning of tramways;
- (11) The control over the construction of railway bridges;
- (12) The supervision to a limited extent of the gas and water supply;
- (13) The control over the sale and storage of explosives, petroleum, and other inflammable substances;
- (14) The supervision of slaughter-houses and various offensive businesses, also of cowsheds, dairies, and milkshops; and the prevention of the spread of contagious diseases among cattle, horses, and dogs;
- (15) The supervision and control of what is known as "baby-farming"; and other matters of detail incidental to municipal government.

ROYAL COMMISSION OF 1894.

In 1894 another Royal Commission was appointed to consider the conditions under which an amalgamation of the City and county of London could be effected. The City Corporation, however, were adverse to the proposal, and although the Commissioners' report is interesting reading, nothing came of it. Under their suggestions the Lord Mayor would have been titular chairman of the London County Council, still retaining all his old-time privileges.

This year (1894) also saw the passing of an Act which constituted the urban district and rural district councils throughout the country.

The weakness in the London County Council, as in other county councils constituted at the same time, is that every three years there is an election when the whole Council goes out. If one-third could go out every year there would be much more opportunity for carrying out a consistent programme and much more room for initiative as a thing apart from politics.

ADDITIONAL WORK OF THE LONDON COUNTY COUNCIL.

It will be seen from the list quoted above that the London County Council have considerably extended the detail work carried out by their predecessors.

The principles above mentioned, however, remain much the same with the following main additions.

The London County Council, not content with "the sale and letting of land for improved habitations," have themselves undertaken housing on a large scale, and have thus set the standard of good construction and amenities which has been invaluable to the rest of the country. It will be recognised, however, that no local authority can ever hope to do more than provide for the housing of a small proportion of the population, and those of the poorest classes should therefore have precedence.

There are still great possibilities though for a public body in the sale or leasing of land "for the erection of improved habitations," and the powers of the Housing Acts of 1919 to 1921 are still almost an undiscovered territory. The London County Council have, however, had their hands full in other directions.

Not content with merely the "sanctioning of tramways," the Council have themselves constructed some 150 miles of electric tramways, and have also endeavoured to secure powers to run municipal omnibuses.

From 1905 they did for some years run a first-rate steamboat service on the Thames, which was, however,

killed by climatic conditions and improved means of land communication.

In 1903 the London County Council absorbed the London School Board. The immense mass of detail in the work of education almost equals in bulk the whole of the other work of the County Council, and it may well be that the administration of the education service in the enlarged area will continue to be performed by divisional committees based on the six existing counties.

To centralise the whole of the detail is practically impossible. Given that a central administrative authority is necessary for certain purposes, particularly for the co-ordination of local government services, it is still more evident that local or regional authorities must continue to exist, and that their position must, if anything, be strengthened in the impending changes.

METROPOLITAN BOROUGHES.

The 28 metropolitan borough councils are largely dependent upon the London County Council for the exercise of their powers; they carry out by-laws, but the by-laws are made by the London County Council; they borrow money, but they borrow from the London County Council; they lay sewers and build streets, provide baths and wash-houses, underground conveniences, and electric lighting stations, but practically all their activities are subject to the London County Council in some form.

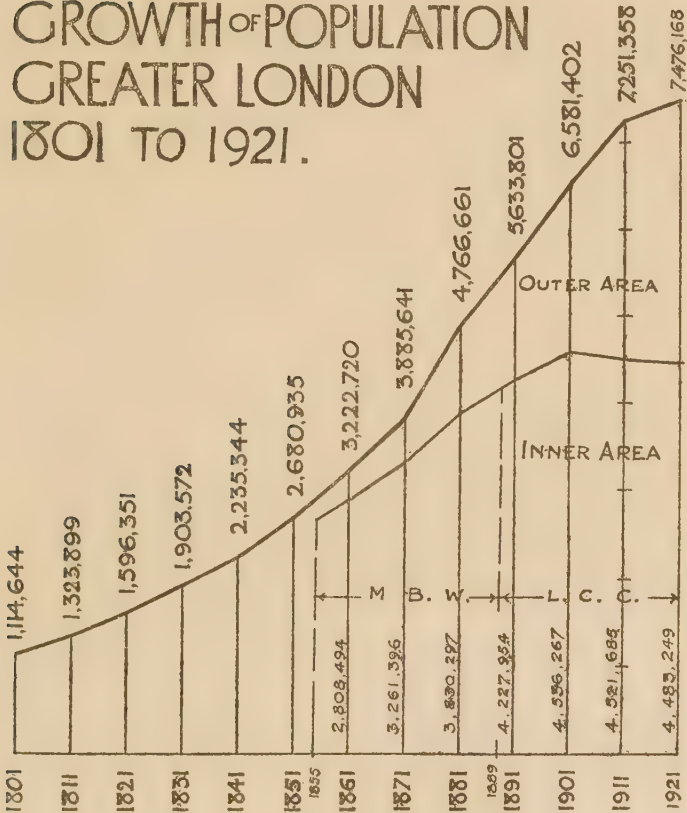
The borough councils of London, however, serve a very important function in the maintenance of the public health, in sanitary services, scavenging, and road maintenance, and it would be impossible for the London County Council unaided to carry out the immense amount of all-important detail work performed in the various boroughs.

The main points in which the metropolitan borough councils can exercise independent authority are in—

- (a) Their right of veto to proposed lines of tramway in their district;

- (b) Their right to acquire land for street widening under Michael Angelo Taylor's Act (Metropolitan Paving Act, 1817), 57 Geo. III., cap. 29.

GROWTH OF POPULATION GREATER LONDON 1801 TO 1921.



2. Outward Movement of Population.

Inner London is losing its population. In the census of 1921 the City and thirteen inner boroughs all show a further falling off in population, but this is very nearly balanced by the increased population in the fifteen outer boroughs, the greatest filling up of open space being shown in—

Woolwich, increase in 1911–1921—19,027

Wandsworth increase in 1911-1921—	17,296
Lewisham „ „	13,360
Hammersmith „ „	8,766

The outward movement of the population is much more evident outside the London County Council area, for while the population of—

The Administrative	}				
County has		4,521,685 in 1911 to 4,483,249 in 1921			
fallen from					
The “Outer Ring”	}				
has increased		2,729,673	„	2,992,919	„
from		<u> </u>		<u> </u>	
		7,251,358 in 1911 to 7,476,168 in 1921.			

SPECIAL AUTHORITIES.

The Metropolitan Water Board, formed in 1904 to take over the undertakings of the numerous water companies existing before that date, was a very valuable first step to the consideration of a Greater London. The Water Board's area is almost five times as big as that of the administrative county of London, and extends into Kent and Hertfordshire, far beyond the limits of the Metropolitan Police area.

The London telephone area is larger still, and indicates to some extent a more convenient limit of practical working than that of the Metropolitan Police area.

In 1909 the Port of London Authority was formed to take over the dock companies and the control of the River Thames below Teddington, thus again extending the jurisdiction of the community of London for this particular purpose.

The comparative areas are as under:—

	Square miles.
City Corporation 	1·1
London County Council area 	116·9
London County Council main drainage area	148·6
Metropolitan Water Board area	537·4
London Telephone area 	627
Metropolitan and City Police area 	692·9

The Port of London Authority's area extends from Teddington to beyond Shoeburyness and Sheerness.

OUTER AUTHORITIES.

Outside the administrative county of London we have the County Councils of Middlesex, Hertfordshire, Essex, Surrey, and Kent, exercising wide powers over main roads, bridges, education, asylums, &c., but possessing none of the detail control over other matters exercised by the London County Council. Of these, Middlesex lies wholly within the Metropolitan Police area, and as the county principally affected must obviously be included in any suggested scheme for Greater London.

London used to be described as in the county of Middlesex, and for many centuries London and Middlesex have always gone together, and, to a lesser extent, the same applies to Surrey, or such part of Surrey as is within the inner zone.

For centuries the Surrey parishes within reach of London have been included in the London Bills of Mortality, and the beautiful rural part of the county, which is really Surrey, will be all the better for the undivided attention of its rulers. The counties of Kent, Essex and Hertfordshire are comparatively little concerned except for transfer of rateable value if and when a new central authority is created.

The county boroughs, municipal boroughs and urban councils in these five counties are at present possessed of more or less independent status and are practically self-contained units as regards local government, though they all derive their flourishing conditions and importance to the fact that they are largely dormitories for London.

The rural district councils, of which there are still 12 in the present Metropolitan Police area, are concerned with the roads, drainage, sanitation and building, including fire protection, and despite, or probably because of, the large area which they each cover, are exceedingly energetic authorities. The rural district councils are also guardians of the poor.

There are scattered through Greater London a number

of joint authorities for special purposes such as joint hospitals for infectious diseases, joint burial boards, joint sewerage boards, joint recreation ground, &c., but these are all linked up with one or more urban or rural councils.

3. Area of the New Authority.

For practical purposes of administration my personal experience during the time I was Housing Commissioner for the London area inclines me to the belief that the area of London's influence extends far wider than the Metropolitan Police district. This includes all parishes any part of which is within 15 miles of Charing Cross. For housing purposes we added all urban or rural districts coming within this definition, and then found that to round off the area it was necessary to add the urban districts of Dartford, Romford, and Epping. Even this large area, however, brought its anomalies.

Such districts as Leatherhead and Dorking were left out, while distant parishes of the Godstone and Hatfield rural districts were included.

Whatever area is taken, even if it includes the whole of the home counties, there will be some such anomalies, but I am strongly convinced that for planning purposes and traffic purposes the area cannot be too large and cannot be limited to the present built-up area.

If we take a time limit, such as one hour's journey from London, we get an irregular star-shaped area, which more nearly represents the area of London's influence, but it is evident that for administrative purposes we must arrive by compromise at a more regular-shaped area, with a boundary possibly 20 to 25 miles from the centre.

Whatever area is finally fixed as that of the central administrative authority, the main routes for at least 10 miles beyond this area will have to be within the sphere of the planning authority. This undoubted fact points to the possibility of some form of outer zone akin to the "liberties" which from time immemorial have belonged to the City, but yet not within it.

(8) *Financial control* :—Approval of rating and assessment systems of valuation—loan sanctions.

(9) *Adjustment of areas*—(*legal*).

The present system of control by the Ministry of Health will no doubt be considerably modified under the new scheme of local government for Greater London. Loans will presumably be sanctioned by the central authority on principles agreed by the Ministry, but the Government audit of accounts will probably be continued.

POOR LAW ADMINISTRATION.

For some years the revision of the poor law administration of the country has been under consideration, and the recent Report of the MacLean Commission recommended drastic changes.

Nothing has, however, yet been done, and, so far as Greater London is concerned, it only remains for the Royal Commission to translate the recommendations of the earlier Commission in terms of the new authorities to be created.

EQUALISATION OF RATES AND RATING.

There is great need for a general standard of valuation and assessment for rating purposes throughout the whole metropolitan area, but it will in practice be found necessary to differentiate between the inner areas and the more open rural districts fifteen miles away. Even within the built-up area there are, however, very wide variations in the valuations owing to the present lack of co-ordination.

The question of the equalisation of rates has been brought prominently to the front by the recent action of the Poplar Borough Council.

The Appendix at the end of the Paper shows the rates in the pound levied in various parts of Greater London. It will be seen that the districts with heaviest rates are in all cases those with the largest proportion of the poorer classes,

and consequently the districts where most calls are made on the public purse.

Under the recent emergency arrangement made by the Ministry of Health the difficulty is being got over temporarily, but some permanent method of fairly distributing the burden will have to be found.

FINANCIAL.

The general finances of the new local government system will require to be on the soundest possible basis.

Rating in this country will still presumably remain on the basis of annual value, although the alternatives of a local income tax and taxation of land values have been tried on the Continent and America.

The British system, though, is thoroughly well understood, and it may be doubted whether any other system would work as smoothly. A simplification of authorities is, however, desirable, and the possibility of a precept from an outside authority being disregarded by the rating authority, or put at an unduly high level without possibility of protest, must also somehow be guarded against.

With an area of the size of Greater London, though, there will be opportunities for the "Chancellor of the "Central Exchequer," in framing his budget, to discover new sources of taxation. Traffic is still increasing in all directions. The petrol tax and motor taxes might well go to the new authority, and be devoted to the upkeep of roads and opening out of new thoroughfares. Possibly a small tax on railway and 'bus passengers might also be used for similar purposes.

In days gone by the coal and wine dues brought a very large sum annually, which was devoted to improvements, and it would be well in framing the new constitution to allow the central authority some encouragement in this direction with a view to a steady annual income to be devoted to a definite programme of improvements.

The "grain duty," which used to be worth £18,000 a year to the City Corporation, was of immense service in

enabling the Corporation to secure and maintain such valuable open spaces as Epping Forest, Burnham Beeches, Coulsdon Common, and Highgate Woods.

The Bridge House Estates are not so wealthy, perhaps, as they are reputed to be, but nevertheless a growing municipal property fund of this description is something which the central authority should have powers to put by with a view to future revenue.

5. Grouping of existing Local Authorities.

Then, admitting the need for a central co-ordinating authority with power to plan and initiate, and also for local authorities with a large amount of independent status, the question arises, Are there at present too many local authorities ?

There are approximately 120 separate authorities within the Metropolitan Police area alone, and although local pride would like to retain them all, it must be frankly admitted that a certain number of them we could do without. For nearly all purposes some grouping of the existing local authorities would be desirable, especially in considering such matters as town planning.

The difficulty at present is as to who is to group them, and on what principles ? ●

This is obviously a matter which the Royal Commission will no doubt deal with in principle only, leaving the actual grouping to be fixed later by conference, and the actual boundaries to be defined by boundary commissioners in due course.

CONCLUSION.

The world moves on, and London is but an epitome of the world. Even if we would, we cannot stop the natural expansion and development of this great city of ours.

It is a different world to what it was even ten years ago—a more impatient world—impatient of slow-moving methods, whether of commerce or administration.

We all know at least some of the inconveniences of the abnormal growth of this abnormal city. Probably, for the last thousand years or so, London has been the largest community in this little island. Certainly, for the last three hundred years, it has been just a little larger than its inhabitants really wanted; attempts have been made from time to time to check its growth, on grounds of risk of infection or difficulties of food supply, but all have signally failed. Two hundred years ago everyone lived over his business. Up to a hundred years ago one could walk home fairly comfortably to any suburb.

During the nineteenth century the introduction of the railways spread the people into what they fondly hoped was the country, but all too soon proved to be but a part of London.

Now the motor and the motor-bus are running in all directions, but the getting to and fro through these wide spread miles of suburbs makes the problem of rapid and comfortable travel almost impossible.

London will grow whether we wish it or not, and London's municipal government must grow with it. London's population, as has been already said, is larger than that of any one of the colonies or self-governing dominions—larger even than the whole Dominion of Canada or of the Commonwealth of Australia—is larger than that of Ireland, or of the whole of Scotland and Wales put together.

London is a state in itself—more ancient than any of the dominions—a commonwealth of communities each independent and yet absolutely dependent for health and safety not only upon its immediate neighbours but upon the whole of the other members of the same commonwealth, all of whom have a civic pride in London and affectionate dependence on London Town.

It is right and fitting that this commonwealth should have a status of its own; London is an Empire City, and Greater London should be the most efficient city in the Empire.

POPULATION, 1921.

Greater London	...	...	...	7,476,168
Canada (1911)	...	...	...	7,204,838
Australia (1921)	...	...	...	5,426,008
New Zealand (1921)	...	...	...	1,218,270
South Africa (1921)	...	...	...	1,521,635
Ireland (1911)	...	...	...	4,390,219
Scotland (1921)	...	...	...	4,882,288
Wales (1921)	...	...	...	2,206,712

APPENDIX.

COMPARISON OF RATES IN GREATER LONDON
FOR 1920-21.

		General Rate.				General Rate.	
L.C.C. AREA (29)—		s.	d.	ESSEX—continued.		s.	d.
Stepney (St. George's)...	23	4		Woodford U.D. ...	15	4	
Poplar ...	22	10		Wanstead U.D....	14	9	
Bethnal Green ...	19	11		Romford R.D. ...	13	9	
Bermondsey ...	19	9		Chingford U.D. ...	13	7	
Southwark ...	19	4		Loughton U.D....	13	7	
Camberwell ...	18	0		Waltham Holy Cross ...	13	6	
Shoreditch ...	17	11		Buckhurst Hill U.D. ...	13	4	
Greenwich ...	17	8		Epping R.D. ...	12	10	
Deptford ...	17	7		HERTFORDSHIRE (8)—			
Islington ...	17	3		Watford ...	16	7	
Woolwich ...	17	0		Cheshunt U.D....	15	2	
Hackney ...	16	6		Barnet U.D. ...	13	3	
Battersea ...	16	4		Bushey U.D. ...	12	10	
Lambeth ...	16	3		East Barnet Valley ...	12	8	
St. Pancras ...	15	8		Barnet R.D. (Elstree) ...	11	7	
Hammersmith ...	15	6		Watford R.D. (Aldenham) ...	11	1	
Stoke Newington ...	15	6		Hatfield R.D. ...	10	8	
Lewisham ...	15	2		KENT (9)—			
Wandsworth ...	14	8		Erith U.D. ...	17	10	
Chelsea ...	14	4		Bexley U.D. ...	16	4	
Fulham ...	14	4		Bromley R.D. (Orping-			
Holborn... ..	13	11		ton) ...	14	6	
Paddington ...	13	10		Bromley M.B....	14	1	
St. Marylebone ...	13	2		Chislehurst U.D. ...	13	6	
Finsbury ...	12	10		Penge U.D. ...	12	9	
Hampstead ...	12	9		Beckenham U.D. ...	12	7½	
Kensington ...	12	5		Crayford U.D. ...	12	4	
Westminster (Savoy) ...	11	9		Foot's Cray U.D. ...	10	8	
City of London... ..	10	6		MIDDLESEX (37)—			
ESSEX (14)—				Tottenham ...	21	6	
Leyton U.D. ...	24	7		Edmonton U.D. ...	20	8	
West Ham C.B. ...	22	4		Enfield U.D. ...	18	4	
Walthamstow U.D. ...	22	0		Yiewsley U.D. ...	18	0	
East Ham C.B....	21	0		Heston and Isleworth ...	17	4	
Barking Town U.D. ...	20	4					
Ilford U.D. ...	18	9					

	General Rate.	
MIDDLESEX— <i>continued.</i>	<i>s.</i>	<i>d.</i>
Wood Green U.D. ...	17	1
Acton U.D. ...	16	9
Brentford U.D. ...	16	9
Uxbridge ...	15	8
Willesden ...	15	3
Twickenham ...	15	1
Chiswick U.D. ...	15	0
Staines ...	14	9
Teddington ...	14	8
Hanwell ...	14	5
Southall-Norwood ...	14	5
Ruislip-Northwood ...	13	10
South Mimms R.D. ...	13	10
Uxbridge R.D. 17 <i>s.</i> 6 <i>d.</i> to	13	8
Hornsey ...	13	7
Southgate ...	13	7
Ealing M.B. ...	13	6
Feltham U.D. ...	13	6
Friern Barnet U.D. ...	13	1
Greenford ...	13	0
Sunbury ...	12	10
Wembley ...	12	4
Hampton ...	12	0
Harrow-on-the-Hill ...	12	0
Hayes ...	12	0
Hampton Wick ...	11	10
Finchley U.D. ...	11	8

	General Rate.	
MIDDLESEX— <i>continued.</i>	<i>s.</i>	<i>d.</i>
Wealdstone ...	11	3
Staines R.D. 14 <i>s.</i> 4 <i>d.</i> to	9	10
Hendon R.D. 10 <i>s.</i> 8 <i>d.</i> to	9	8
Kingsbury ...	9	8
Hendon ...	8	10

SURREY (19)—

Mitcham U.D. ...	15	8
Maldens and Coombe U.D.	14	0
Merton and Morden U.D.	13	10
Wimbledon M.B. ...	13	7
Barnes U.D. ...	12	6
Kingston-on-Thames M.B.	12	6
Croydon C.B. ...	12	4
Carshalton U.D. ...	12	0
Epsom U.D. ...	12	0
Surbiton U.D. ...	12	0
Beddington & Walling- ton U.D. ...	11	11
Godstone R.D. ... 16 <i>s.</i> to	11	10
Richmond M.B. ...	11	7
Esher and Dittons U.D.	10	8
Sutton U.D. ...	10	8
Coulsdon and Purley U.D.	10	6
East Molesey U.D. ...	10	6
Epsom R.D. 11 <i>s.</i> 10 <i>d.</i> to	8	7
Ham U.D. ...	7	0

AT

THE ORDINARY GENERAL MEETING

Held on Monday, January 9th, 1922,

A DISCUSSION took place on a Paper entitled

THE PROBLEMS OF GREATER LONDON.

By W. R. Davidge (Fellow), F.R.I.B.A., A.M.I.C.E.

J. H. SABIN (President) in the Chair.

Sir EDGAR HARPER (Fellow) said it was not only a privilege, but it gave him the greatest possible pleasure to have the opportunity of proposing a hearty vote of thanks to the author for his admirable Paper. Outside the ranks of municipal officials he doubted whether anyone could have been found to put the subject before The Institution as thoroughly and concisely as the author had done. To that great service he had added one which was always valued at The Institution, that of a clear and admirable delivery which carried the points in his Paper home to the ear in the same manner as the printed Paper (which most of the members had had the opportunity of reading in advance) carried them home to the eye.

The volume of material which the author must have gone through in order to produce the Paper he would not attempt to describe, but he warned members of The Institution in general that if they really devoted themselves to a study of the Paper they would go through an attack of what he might call acute mental indigestion before they succeeded in mastering the intricacies of the subject. There was no doubt it was a subject before which some of the boldest statesmen had quailed. It was more than a hun-

dred years since Cobbett described London as a wen, and the first Chairman of the London County Council improved on that by describing it as an elephantiasis. At any rate the problem of London was a very serious one. It resembled the riddle of the Sphinx ; if they did not solve it, it might devour them.

He ventured to think, however, that some indications existed of the problem itself already working out some proper limits for itself. He had been studying the admirable diagram on page 97, which the author had prepared to illustrate the growth of the population of Inner and Outer London, and had the curiosity to work out a few figures which seemed to him to indicate the limits which London was approaching. He found that in 1901 the increase of population over the whole area dealt with by the author (what was known as Greater London) was 947,601, an increase of $16\frac{2}{3}$ per cent. over the population of ten years previously. In 1911 the increase of population in the same area was 669,956, only a fraction over 10 per cent. of the population in the previous ten years. In 1921 the increase was only 224,810 persons, an increase of a little more than 3 per cent. When the rate of increase fell off from $16\frac{2}{3}$ per cent. twenty years ago to 3 per cent. at the present time, he thought there was a very clear indication that the limits within which London could usefully be developed were being rapidly approached.

He would not like to be understood as differing in any way from the author's thesis when he laid it down that in planning the area of a new London it could not be made too large. Of that he was convinced, but he did not think that it was necessary to anticipate that London's growth of population would proceed as rapidly in the future as it had done in the past. On the contrary all the indications were in the opposite direction. The problem of statesmen was therefore to that extent reduced. It was huge enough in all conscience, and that very hugeness had put the brake on its growth. There could be no question whatever that if a new London were to have a chance of developing in the way in which its needs required it must have one general

authority directly elected. Only in that way could the rate-payer obtain adequate control over those who were set up to manage his affairs.

He ventured to add that with regard to the local authorities there should be only one type. The time would be opportune for abolishing overseers and guardians and special local boards of every kind; nothing but borough councils should be elected, and, if possible, the areas of the present boroughs should be somewhat enlarged. The areas of the larger boroughs, such as Wandsworth, were already admirably administered, and there seemed no reason why a small area like Stoke Newington should preserve its individuality for administrative purposes. There was no reason why Stoke Newington should not preserve its social individuality and things of that kind, but in the present day, when economy was the most pressing need of the time, obviously the area of administration must be made the most economical area, and the small area was becoming less and less economical. There was at the present time, as the author had pointed out, a number of local authorities, as well as companies, supplying the community with electricity, but all scientific investigation showed that the larger the volume of generation the cheaper was the unit of electricity which could be supplied, and obviously the scheme of the Electricity Commissioners, providing for a very much larger area even than Greater London, was the one which would prove most economical.

There were one or two small points he desired to touch upon, having regard to his past connection with the central body of existing London, the first being the question of the operation of the services dealing with transit. In a very clear and able manner the author insisted on the necessity of the new authority controlling all methods of transit, and drew a distinction between control and operation. The author's clear opinion was that control was the proper function of the governing body, but personally he desired to apply that argument to other services. The service of transit, like the service of electricity or gas, was a service out of which a certain revenue could be derived from the users of the

service. That, of course, was the best possible way of getting them to pay for it, and local authorities had not unfairly seen that there was no deficit on those services, and what small surpluses might have resulted had gone in relief of the rates. But there was a number of other services besides transit and electricity; for instance, sewerage, drainage, disposal of refuse, and things of that kind. Those were services which were not liable to bring in any direct revenue from those who took advantage of them. The whole burden of them had to fall on the ratepayer. Generally speaking, where a service could produce a revenue out of its own working, it was proposed that the local authority should not take part in it beyond controlling, and a private company should undertake to supply the services. But where a service was nothing but an expense, then the local authority could come in and shoulder the burden, and the ratepayers foot the bill. He ventured to point out what was sauce for the goose was sauce for the gander, and if there was a means of relieving to a small extent the rates of Greater London by operating the whole or any part of the transit services, he saw no reason why the new authority should not operate the transit services just as it operated the drainage, the refuse disposal, and the water supply. That, however, was a rather difficult question to discuss among those who had not had great experience in public administration.

There was one other point to which he desired to call attention with regard to fire prevention. The author said that each local authority was probably its own best protector in that respect, though central co-ordination and control were essential. He was afraid the experience of London did not bear out that view. Fire was a danger which beset all of them. Every time there was a big fire a very large number of other properties which were not actually on fire were in peril, and if a fire brigade existed only for a small area it would not have the requisite forces to cope with any great outbreak. The experience of the London County Council Fire Brigade made that abundantly clear, and he thought it would probably be best to extend

the area of the Metropolitan Fire Brigade to whatever area was determined on by Parliament as the area for the new London. Of course they were taking a look into the future, because it might be a good many years before the results of the Royal Commission's work would be translated into an Act of Parliament.

There was one further point to which he wished to refer, namely, the main roads. He did not know whether the author was using the term "main roads" in its legal or technical sense or in its general sense when he said that the main roads of London were practically the same as they were eighty years ago. As an old servant of the Metropolitan Board of Works, and of the London County Council, he desired to remind the author of Queen Victoria Street and the Thames Embankment, the widening of Poultry and Cheapside carried out by the City with the assistance of the Central Authority, the widening of the Strand and various other improvements, such as Kingsway, and Aldwych, and the widening of Southampton Row, all of which had added greatly to the traffic facilities of London. In that respect, however, he feared that little more could be done at the present time because of the enormous expense of buying property to widen thoroughfares. It seemed to him the same result could be obtained at very much less expense by having regard to the different classes of traffic. He looked forward to a not distant future in which the slow-moving traffic would be excluded from the main thoroughfares so far as possible. It was only necessary to do the question in the form of a sum for it to be seen that, if the speed of all the vehicles passing through the Strand were doubled, the same result was produced as if the width of the thoroughfare was doubled, and the whole of the expense that would be incurred by doubling the thoroughfare would be avoided. That was the line, he thought, along which it would be necessary to develop. For that reason he thought an additional tube, below the existing tube, if engineers thought it was possible, was one of the most useful suggestions contained in the author's valuable Paper.

He had intended to refer to the effect of the distribution

of the burden of the rates, but he felt that he had already occupied too much time, and that, as other members were likely to speak on the subject, there would be another opportunity to deal with it. In fact, that was certain to be the case while the question was under discussion.

He had very much pleasure in moving a vote of thanks to the author for his valuable Paper.

Mr. GEORGE CORDEROY (Member of Council) said he had great pleasure in seconding the vote of thanks which had been so ably moved by Sir Edgar Harper. He did so, however, at very short notice in the place of a gentleman who had been expected to second the motion, but who, he regretted, was prevented by illness from being present at the meeting. He could not pretend, therefore, to speak adequately to the able and exhaustive Paper which the author had presented. As one, however, who had been interested all his life in the government of London, and who happened to be a Cockney of the fourth generation, which was a distinction possessed, probably, by few present, he might be supposed to have an interest in the great city of London of a very intimate kind.

They were greatly indebted to the author for the painstaking and exhaustive survey he had given of what he rightly described as "the problem of Greater London," which would repay full and careful study.

But having paid his tribute to the ability of the Paper, he felt compelled to add that it was a most provocative Paper in that to anyone who had interested himself in the problem it offered innumerable points of difference. He gathered that the underlying idea of the Paper was in the direction of a somewhat severe form of centralisation. Many of the members would break a lance with the author upon that particular point. It was necessary for all the members to remind themselves of one factor in considering the problem, namely, that if mistakes were made in connection with the development of Greater London, or any of the services connected with it, they had very serious consequences.

In the judgment of some of the members a great initial mistake was made when the tramway system was introduced

into London. Those who had given attention to the important question of transport—which the author had rightly put in the front of all the problems connected with London—thought a serious error was made in that direction, and that the teachings of the past in connection with other cities had been neglected. At any rate, they were sure of this (and in this respect he was in hearty agreement with the author) that the traffic controlling authority and the traffic operating authority ought to be separate, and that the dispute which was now going on between the London County Council, as the owner of the tramway means of transport, and the owners of the motor means of transport was not being very happily conducted, owing to the individual interests of the two sides to that dispute.

There were many points in the Paper upon which he would venture to comment. One had already been referred to by the mover of the vote of thanks, namely, the question of the roads. Another point he desired to refer to was that of the speed of the underground railways. He had not the time tables of the District Railway with him, and he had not looked them up, but he thought the speeds were far greater than the author suggested in the Paper, especially when the non-stop trains were taken into account. A great deal more was accomplished in the way of high speeds on the underground railways than was generally realised by those who had not interested themselves in that form of transport. He also very much questioned whether the cost of the railways was enhanced at the intermediate stations to the extent suggested by the author. It was no doubt enhanced; but, with all due deference to the author, he thought the enhancement was nothing comparable to the percentage he suggested.

Of all the schemes which were ever promulgated for dealing with London, Sir William Harcourt's scheme of 1884, to his mind, held the field. The reason for that was that it dealt with what the other schemes had never dealt with, namely, the relationship of what was known as "the City of London" to Greater London. It was an unnatural arrangement which deprived the City of London of the

historic continuity associated with what was known as "the City."

In any scheme for dealing with Greater London—more especially if they were to envisage a London of the size which the author contemplated—it seemed to him that it should not be treated and could not be treated as a city, but must be treated as a country—he meant from the point of view of administration. He thought one of the most hopeless methods of administration was that pursued by the London County Council at the present day, the administration by committee. He did not think that a population of the size of Greater London, with all the problems which were connected with its administration, could be dealt with by a system of committees. It must be dealt with by the same system as, for instance, the Commonwealth of Australia was dealt with. The population of London was 50 per cent. greater than the population of the Commonwealth of Australia, and although there was an enormous difference in their respective areas, the administrative problems were at least as great.

Taking the question of education alone, he and many others present were greatly interested in the old London School Board; they regretted its demise, the fact that there was no *ad hoc* educational authority at present, and that education was merely a side issue of the County Council's activities—because that was all it was to-day. Great as was his respect for the men who attempted to deal with it, many of whom he had the privilege of knowing, they could not deal with it in the sense in which they would do if it was an *ad hoc* authority. Probably all who knew anything about the activities of the Port of London would greatly regret to see the administration of the Port of London transferred from the Port Authority to the London County Council.

The difference he had with the author of the Paper was that whereas the author, it appeared to him, desired to embrace within the activities of the great London which he envisaged all those things to which he had called attention, in his (Mr. Corderoy's) opinion what was wanted was a

scheme of large decentralisation rather than a scheme of great centralisation. He did not think any commission which considered the subject would be able to arrive at a satisfactory conclusion if it did not recognise the fact that it was not a city, but something very much greater that was being dealt with.

He had ventured to make those criticisms, which were stimulated entirely by the Paper, which he characterised most sincerely as a most valuable contribution to the *Transactions* of The Institution. He had very great pleasure in seconding the vote of thanks to the author.

Mr. FITZROY DOLL, F.R.I.B.A. (Fellow), said he rose with great pleasure to support the vote of thanks which had been moved to his friend Mr. Davidge for his most interesting Paper. He had read the Paper through from end to end, and was perfectly astonished at the amount of labour which the author must have undertaken in order to produce it.

His friend Mr. Corderoy had rather flattered himself that he was a very old Cockney, but as a matter of fact he thought that he (Mr. Doll) held the record in that respect. In 1788 three houses were built and described in a lease as "on a road leading from Knightsbridge to Ranelagh Gardens." His grandfather took the first of those houses, which was now No. 79, Sloane Street. His mother was born there in 1811; all her children were born there, and his brother, who was now 75 years old, lived in the house at the present time. In view of that unbroken record from 1788 to 1922, he thought that Mr. Corderoy ought to yield him the palm.

He had been asked to speak upon the Paper because of his old municipal service which covered a rather long period, as he had served on the St. Giles Board of Works, and its successor the Holborn Borough Council, for thirty-six years. He happened to be the man who lived in the house in Gower Street through which the boundary of two parishes ran, so that he dined in St. Pancras, while his wife dined in St. Giles; his head slept in St. Giles, and his feet in St. Pancras. He thus had a double qualification. In addition he sat for ten years on the St. Pancras Vestry, and he

served for fourteen years on the Guardians of St. Giles. He was one of the original members of the Metropolitan Water Board, and he was a member of the Arterial Road Commission, so that he must be a stupid old man if he had not learned anything in that time.

The crux of the whole question was that London in general, and the whole of the 28 boroughs in particular, were strongly opposed to the suggestion as formulated before the Royal Commission. The five counties were opposed to it the Water Board was opposed to it, and everyone else seemed to be opposed to it. The chief point with the borough councils was that they desired a central authority, but that its constitution should be municipal and not political. The tragedy that fell upon London by the formation of the London County Council was the most terrible thing that ever happened to that great city. Everything that that body did was exactly the same as took place in all political bodies. The only point that was kept in mind was how it would affect the votes. The London County Council was really a preparatory school for the House of Commons. The men who knew chiefly about London were not on the London County Council; the men who went there were largely thrust on it by the political caucus.

His own borough of Holborn had possessed many men eminent for their municipal knowledge, but what had happened? The political caucus sent them candidates who aspired to Parliamentary honours, but who had no knowledge of the requirements of London in general, or Holborn in particular, and who, for the time they held the seat, did not know anything at all about the smaller streets of the borough. However, they all did well when they got into the House, especially in "honours." That was the sort of thing which it was desirable should be got rid of.

The most scientific body which had ever existed in England as a governing body was, in his opinion, the Metropolitan Board of Works. He was very pleased, indeed, to see his friend Sir Edgar Harper at the meeting; they knew one another when they were boys in connection with

the work of the Metropolitan Board of Works. That Board, which was a thoroughly municipal body, carried out the Thames Embankment on both sides of the river, the main drainage of London, the Abbey Mills, Cross Ness and Grosvenor Road Pumping Stations, Putney Bridge, Battersea Bridge, the strengthening of Lambeth Bridge, the underpinning of Waterloo Bridge, the storm relief sewers, Victoria Street, Shaftesbury Avenue, Charing Cross Road, Queen Victoria Street, Blackwall Tunnel, Barking and Cross Ness Precipitation Works, the sludge steamers, Woolwich Ferry, and Kingsway, &c. The drawings of the works for the last five items were prepared by them, even the Kingsway, which were made from a scheme sent by the St. Giles Board of Works to the Metropolitan Board, with a request that the scheme should be carried out because of its necessity to London, and the desirability to have Clare Market, and the abominations connected with it and its surroundings, removed from the parish. During the period they were doing that work the precept in St. Giles and St. George's, Bloomsbury, was £17,550 per annum. The precept at the present day for the same area was £209,000. The precept for St. Giles and St. George's, Bloomsbury, was nearly £200,000 more to-day under the London County Council than it was under the Metropolitan Board of Works, and yet the latter body carried out all the works he had mentioned. Would anyone show him the works that the London County Council had done? He would like to be able to find them in London. In his opinion the great necessity was decentralisation and not too much centralisation.

The borough of Holborn was the oldest in London, although the author had not mentioned the fact. Bloomsbury, Holborn (the hollow bourn), was St. Blemund's Bury or dyke, hence Bloomsbury, and on that dyke in Bloomsbury the ancient Britons first met the Romans when they attacked their chief settlement. Holborn was certainly the oldest part of the territory that was inhabited.

There were men of exceptional ability connected with the Holborn Borough Council. Few boroughs could show

anything like the list of benchers, K.C.'s and eminent solicitors that sat on its Law and Parliamentary Committee. The Works Committee contained at the same time five Fellows of the Institute of British Architects, two or three Fellows of The Surveyors' Institution, and one or two other technical men. Those men took an interest in the work if it was confined to a comparatively small area in which they went about all day long, but if the area were enlarged and made a great area their interest would go, and the government would fall into the hands of men who were undesirable to govern anything. It was impossible to make silk purses well without the necessary material, and for that reason he was strongly in favour of decentralisation rather than of combining several of the boroughs together and making an enormous area. If that were done, all the best men connected with the local government would be lost; all enthusiasm in the neighbourhood for local government would be done away with, and desirable local ambition and competition would be destroyed.

It must be obvious to everyone that what was wanted in Holborn was of no good to the people in Camberwell, and that what was wanted in Islington was no good to the people in Westminster, except in a very limited degree. The Standing Joint Committee of London was opposing the scheme that had been presented. The metropolitan boroughs wished to be imperial in their views, but they desired to be assured that they were going to get something better as a central authority than the London County Council. They wanted a municipal body and not a political body.

He desired again, in conclusion, to thank the author for the well-thought out Paper he had read.

Mr. HERBERT G. POTTER (Fellow) said that he was quite frankly going to take the opposite point of view to that put forward by the author, who in his Paper seemed largely to adopt the London County Council point of view. Members had fortunately had the opportunity of seeing the report of the evidence which the London County Council had sub-

mitted to the Royal Commission, and they were justified in checking the statements in the Paper with the evidence which was given by Mr. Norman, who appeared as the official witness of the London County Council. It was beginning to be called "the Norman invasion." He wished to make that point quite clear, because it was well-known that in political affairs the great thing was to create what was called "an atmosphere." The first task of the London County Council was to create an atmosphere, to persuade everybody "This is not our affair at all; this is the affair of 'the whole of Greater London.'"

The author started his Paper by saying that he desired to examine the questions which vexed the soul of the suburban dweller in Greater London, and proceeded to give a number of points, none of which, he ventured to say, vexed the soul of the suburban dweller of Greater London sufficiently to keep him awake one night in a year. The point he desired to make was absolutely rammed home at once by the Chairman of the Royal Commission, Lord Ullswater, in one of the first questions he asked Mr. Norman, namely: " (Q.) The County Council are the people who have called for the appointment of this Commission and therefore, the Government having appointed a Commission, it is up to the County Council now to make good and show what the troubles are from which they are suffering?—Yes, from which London as a whole is suffering, not necessarily the County Council alone; we are dealing with London administration. (Q.) Things which, to the spectacles of the London County Council, London is suffering from, because the rest of London, I understand, are not particularly anxious for this Commission. There has been no demand, so far as I know, from Outer London for the appointment of this Commission?—No, quite the contrary, I believe." He thought that evidence cleared up the point that it was purely and simply a Commission asked for by the London County Council and by nobody else.

He had made a few notes with regard to the question of decentralisation, but as the point had already been made by several speakers, he would deal with the matter quite

shortly. Speaking not as a Londoner, but as a resident of Hendon in Middlesex in Outer London, in his opinion the solution of whatever problems existed lay not in the creation of a vaster London. He lived in a garden suburb. He remembered nearly twenty years ago when a Paper was read before The Institution by Ralph Neville, and Ebenezer Howard took part in the discussion. The ideal of those speakers—which he believed was a perfectly correct one—was not to extend large towns so that they became still greater towns, but to set up separate communities. It might be said that that was an impossible task, but in his opinion that was not the case. It was necessary to have a Central London, but not a central factory London, and already the solution was taking place quite naturally. Owing to the high rates, the factories were moving out from London. His own printer had his works at Bedford, W. H. Smith & Sons had their works at Garden City, Letchworth, and there was a greater and greater tendency at the present time for the factories to go out of London. Naturally after a time the population would follow, and there would be left in London not the factory population but the administrative population such as lawyers, stockbrokers, merchants, and people of that kind, who did not actually deal with factories. In that way London would shrink, and that, of course, was a great danger to the London County Council.

There was one other point in that connection to which he wished to refer, which had already been emphasised by a previous speaker, namely, that a good public administration of communal affairs was not obtained when an area was enlarged unduly. There was now within the area of the London County Council a population of nearly 5,000,000. How many of those people went to the poll in 1919? There were no contests in 27 out of the 61 wards; there was not sufficient interest taken in communal affairs for two candidates to stand in each of 27 wards; and in the remainder of the wards only 16 per cent. of the population voted. He desired to compare those figures with those connected with the elections of the borough councils. He admitted that 1919 was a bad year, but that applied in both

cases. He admitted also that the figures for the borough councils were not good, but, at any rate, the fact remained that, instead of there being no contests in practically half the wards, as was the case in the London County Council, there was a very much better figure in the case of the borough councils, and 28 per cent. of the people took the trouble to vote. It was evident, therefore, that the smaller the area the greater the interest taken in local affairs.

Members should look at the details of the London County Council's proposal in order to arrive at a just conclusion on their main proposition, which was to set up a Central Authority. If they took the trouble to read the evidence which had been given before the Royal Commission they would find that it was pointed out to Mr. Norman over and over again that the solution the London County Council proposed in connection with the widening of the boundaries of London was no solution at all. If the difficulty as it existed with the present boundaries was borne in mind, it would be realised that if the perimeter of London was enlarged, the same difficulties would occur all round the new boundaries. It was said, for instance, that the Central Fire Brigade must be the controlling body over the whole of the 692 square miles which it was now proposed to take in. All that would be done in extending the boundary until it adjoined towns like Watford, Redhill, St. Albans, and places of that nature, would be to produce precisely the same difficulties again all round the new boundary. The County Council's proposal was no solution to the supposed difficulty.

There were numerous other things to which the same argument applied. He would not refer to transport, as that had been dealt with by a previous speaker. But, with regard to sewerage, the complaint of the London County Council was that it owned, so to speak, 116 square miles, and it drained 34 square miles in addition. It admitted that, as far as the extra 34 miles were concerned, they paid their share of the capital and of the running expenses. Personally he could not see that there was any grievance there, or that that was a reason why the area of London

should be extended from 116 to 692 miles. The reason seemed hardly adequate. If one went a little further into the question one found that the London County Council had the most old-fashioned sewerage system in the world. They took a pipe, laid it down right through the centre of a populous district, turned into it the whole of the refuse, and ran it down 40 or 50 miles; then, having allowed it to settle, they took out the sludge and pumped the effluent into the Thames. No wonder the London County Council declined to increase the burden on the sewers. If they wanted a sewer to take half the area or a quarter of the area they now proposed to take in, they would require a sewer as big as the Blackwall Tunnel, and then it would be constantly overflowing in times of storm. At the present moment the Council's sewers were constantly being washed out with storm water. A few weeks ago the basements in Edgware Road were a mass of filthy sludge.

The London County Council had been approached from time to time to take in other areas, but they had very properly declined. Some seven or eight years ago the area in which he lived, Hendon, approached them, but the London County Council said they had not sufficient room and declined to take in Hendon. As a result Hendon brought its little sewerage farm system up to date and enlarged it; they were now treating their own sludge and turning a very clear effluent into the River Brent without any complaint at all. He did not at all pose as a sanitary engineer, but it seemed to him that the future of sanitation lay in that direction and not in the direction of draining enormous areas. It might be arguable theoretically that a larger system was much more economically worked than a smaller system, but it was known from the County Council's own practice that the larger system was not more economical, for the reason given by a previous speaker, namely, the benefits that were obtained from decentralisation. Where a small system existed, the men who were in control were immediately in touch with all the affairs of the district; they made a practical inspection of the details. Everything was not left to the officials to be dealt with. In his opinion those were the

lines upon which the sewerage system should be extended in Greater London and not on the lines of connecting up to a central authority. He was in favour of separate sewage works.

Mr. Norman in his evidence dealt with that question to a certain extent and in a most peculiar way. He said that, having centralised all the authorities, they must turn round and decentralise them and hrow the work back on the district councils. In other words, having set up a central authority, he said it was perfectly useless to expect them to do the work, and that the district councils must be asked to carry on as before.

The question of electricity had been referred to the Electricity Commissioners. He would not detain the members while he read them the evidence, but the authority which Mr. Norman, as representing the London County Council, favoured was not a central authority at all. Mr. Norman declared it was not an *ad hoc* authority, but the difference between that authority and an *ad hoc* authority he really could not understand. The London County Council, representing 116 square miles, was to appoint eight members; the outside authorities, representing over 500 square miles, were to appoint four members; all the companies and people who had electricity undertakings of their own were to be on the Board to manage the undertaking. If that was not an *ad hoc* authority, he would like to know what it was. It seemed to him to be something on all fours with the Water Board. But when they set out to quote electricity as a reason for a central authority, no sooner had they come to grips with the subject than they threw up the sponge and said, "This central authority is not the authority we want" at all, nor do we want an *ad hoc* authority, but something like that."

With regard to the question of the Fire Brigade, he would like to quote a question asked of Mr. Norman by Sir Albert Gray, one of the members of the Royal Commission. He said: "This fire brigade difficulty, so far as it exists, is one which will always apply whatever the boundary is, in view of the fact that you probably will

“always have a much better service than your immediate neighbours With your motor service now you would be able to give assistance to a distance of 20 or 30 miles out.”

The difficulty would be increased and not decreased in accordance with the increase of the extended perimeter.

The question of the building by-laws he would pass over, and refer in the next place to the noxious trades. It was curious to see in the Paper that one of the complaints against the county areas was the fact that there were 1,000 licensed abattoirs, which he called slaughter-houses. If there was one thing which he personally enjoyed it was a piece of home-killed English meat, and instead of considering it as a detriment when he went out to Stanmore that the butchers there did not get chilled meat from Smithfield Market, he considered it as one of the greatest treats possible to eat home-killed meat, and he hoped he would be able to enjoy that privilege for many years to come. That was a curious thing to put forward as a reason why the area of London should be extended from 116 to 692 miles.

Another of the things that they were supposed to groan under was the refuse removal, but, as far as he could ascertain, the refuse removal in the district in which he at present lived was precisely the same as it was when he lived in Hampstead. The cart went to the house once a week and took the refuse away. How did the author propose, with a 692 square mile area, to deal with the question any better? The only way to improve the removal of refuse was to multiply the number of destructors and not to have one central authority.

The subject of finance was worth a special paper, but there was one other small point to which he would like to refer. The water trouble had been put in the forefront, and the London County Council had been asked to prove that the scheme was more efficient and economical in working. The reference to the Commission was: “To inquire and report what if any alterations are needed in the local government of the Administrative County of

“ London and the surrounding districts, with a view to securing greater efficiency and economy in the administration of local government services.” He had taken the trouble to refer to the evidence given by Mr. Norman, the spokesman of the London County Council, and he found that what was said was as follows : “ (Q.) I suppose you contend that you get greater efficiency by the control of water under the new scheme ?—No, I do not think I should say it is more efficient. I am not prepared to deny the efficiency of the Water Board. (Q.) I am trying to trace, as each service comes up, what you would gain in actual practice ?—You would get one authority instead of two. I think there must be an economy in that.” In answer to a further question he replied : “ I certainly think there has been an efficient and adequate supply of pure water, but I am not offering evidence on that.” And on a member of the Commission saying “ Surely at some time or other you will go more closely into your contention as to the inefficiency and ineconomy of the present practice with regard to different services,” he replied “ No, I do not allege that.”

What did he allege ? The Commission was formed for the purpose of enquiring into the allegation of the London County Council that a new central authority would give a more efficient and more economical service, and in regard to the greatest of all, the water supply of London, he said he could not assert either that the County Council would give a more efficient service or that it would give purer water, or that it would be more economical.

He had very much pleasure in supporting the vote of thanks to the author, although he had felt obliged to oppose the statements made in the Paper.

MR. WILLIAM WOODWARD, F.R.I.B.A. (Fellow), said that he desired to endorse most fully all that had been said with regard to the excellence of the Paper of his friend the author, as he knew the enormous amount of work that the Paper had entailed. During the afternoon he had been re-reading the Paper which he (Mr. Woodward) had the privilege of reading before The Institution just thirty-six years ago,

when Mr. I'Anson occupied the Chair which was now so worthily filled by the President. Probably the President was too young then to have listened to the Paper which he then had the pleasure of reading! The Paper, which was read on February 22nd, 1886, would be found in Vol. XVIII, and he well remembered the strenuous exertions he had to make in order to obtain all the statistics that were given.

It might be interesting to mention that he was urged to write that Paper, and received every assistance in the matter and in the reproduction of his drawings and plans from that great friend to The Institution, Mr. Julian C. Rogers, the then Secretary.

The speakers who took part in the lengthened discussion which ensued included such well-known men as Mr. T. Chatfield Clarke, Mr. Banister Fletcher, M.P., Mr. T. Blashill, Mr. R. Vigers, Mr. E. Ryde, Mr. C. K. Bedells, Mr. A. Garrard, all of whom, he regretted to say, had since joined the great majority.

He could not claim the family antiquity of his friend Mr. Fitzroy Doll, but in view of the fact that the latter had told the members that the borough of Holborn, of which he was a past-mayor, was about the finest in London, he wished to remind them also that personally he was a past-mayor of the borough of Hampstead, which for antiquity and historical associations could knock Holborn into a cocked hat.

He was going to deal with the Paper in the form of snippets. The title of the Paper was "The Problems of "Greater London," and, if it was the only result of the Paper, he very much hoped a plan would be made, "coloured "pink, attached to the document hereto," showing the whole of what was Greater London. Personally he did not know what was Greater London. There was Inner London, and Outer London, &c., &c., and he thought the time had arrived when a plan ought to be most carefully prepared showing precisely the boundaries of what might be termed "Greater "London," and that it should simply be called "London."

The author had referred to the question of transport. The great point in that connection which now interested the

members was motor traffic. He agreed with his friend Mr. Corderoy that the "blessed tramways" ought to be abolished. They were a perfect nuisance. Now that omnibuses existed, why should it be necessary to continue the tramways? In a word, "Abolish tramways."

With regard to the question of the width of roads, in his opinion roads might be made too wide. The Victoria Embankment had a width of 100 feet and Northumberland Avenue 90 feet, and Gray's Inn Road, at its southern end 60 feet. He remembered well that when he read his Paper in 1886 the southern end of Grey's Inn Road, opening into Holborn, was just being formed. That, he believed, was 60 feet wide, and he believed it was a very convenient width for ordinary traffic. If roads were too wide, the difficulties experienced by pedestrians were very great. With regard to the question of the width of roads, he thought an opportunity presented itself for young architects in particular, and perhaps old ones too, to design picturesque bridges across some of the main roads and the new roads. Subways now existed at certain dangerous points, and why should not picturesque bridges also be built? He hoped that that question would engage the attention of the architect.

With regard to the formation of the new central authority that had been mentioned, he desired to remind the members that on 1st December, 1921, there were 353,442 persons on Government staffs. Whatever authority was formed, he appealed to the members for goodness' sake not to form another department. That would be another terror added to those from which they were at present suffering.

The next point to which he wished to refer related to fire brigades and the height of buildings. He did not propose to occupy the time of the members by giving his opinion as to the height to which buildings should be carried, but a point he had never heard satisfactorily dealt with up to the present time was whether the fire brigade could reach the height to which the buildings were proposed to be carried. Notwithstanding the fact that thoroughly fireproof buildings might be constructed, it was the panic

which ensued in case of fire which had to be borne in mind, and if water could not be got up to the extreme height of very high buildings, he predicted that terrible catastrophes would occur.

Reference was also made to the parks and open spaces. At the present moment 28 acres of St. James's Park and 32 acres of Regent's Park were occupied by military huts which were in process of decay and depriving the members and himself of the benefit of the parks, towards the upkeep of which they paid.

The author had also referred to the question of the desirability of keeping the plans of the London County Council for future reference. He desired to remind the author that the Royal Institute of British Architects had been engaged for many years in providing a civic survey of Greater London. From 1916 to 1919 the Royal Institute of British Architects, with the assistance of the Government, had spent thousands of pounds in providing such a plan which, he thought, the author would find most useful to him and all those who were preparing for the improvement of London.

The final point on which he desired to say a word was housing. 500,000 houses were required for the occupancy of the so-called working classes. A department was formed for that purpose, composed of experts and semi-amateurs, presided over by a well-minded doctor from Harley Street. Millions of pounds had been spent, and millions more were going to be spent in perpetuity, on a shocking fiasco, a fiasco which must always appertain to any Government department formed by any set of men of the nature of those who had been employed in connection with housing. He believed, however, that they could not have obtained better plans for some of those houses than were now possessed. Whatever the Royal Institute of British Architects might do or The Surveyors' Institution might do, he appealed to them for goodness' sake to get rid of every public department.

On the motion of Mr. G. H. HUME, of the London County Council, the discussion was adjourned.

AT
THE ORDINARY GENERAL MEETING

Held on Monday, February 6th, 1922,

A RESUMED DISCUSSION took place on a Paper
entitled

THE PROBLEMS OF GREATER LONDON,

By W. R. Davidge (Fellow), F.R.I.B.A., A.M.I.C.E.

J. H. SABIN (President) in the Chair.

The PRESIDENT said that before proceeding to further business he was bound to refer to an event which had recently occurred, and news of which would be painful to all the members of The Institution, namely, the death of the late President, Mr. Andrew Young, which occurred during his holiday in France. All who had had to do with Mr. Andrew Young had found him to be a man of unfailing kindness and thought for others. The more one knew of him the greater was the respect one felt for him. Personally he had had the pleasure of knowing him to some extent apart altogether from professional matters, and he could assure the members that outside as well as within the profession he was a man to inspire affection and respect, and his loss would be deplored by a very large number of friends.

On the suggestion of the PRESIDENT, a vote of condolence was passed by the members standing in silence.

The adjourned Discussion of the Paper read at the Ordinary General Meeting of The Surveyors' Institution,

held on Monday, 9th January, 1922, by Mr. W. R. Davidge (Fellow) on "The Problems of Greater London," was resumed by—

Mr. G. H. HUME, L.C.C. (Visitor), who, in opening the discussion, said it needed some courage, after listening to the debate which had taken place on the last occasion, for any member of the London County Council to stand up and speak upon the problem dealt with in the Paper. He would like to say, however, that in the short time at his disposal he was not going to enter into controversy. He was more anxious that it should be clearly understood what the position of the London County Council was in the matter. He ventured to say that the position of the London County Council was completely misunderstood. Before embarking on that topic he might say that it was a very pleasant surprise to him, when he had the opportunity of hearing the author give an outline of his Paper, to see such an authority, working independently along lines of his own, arrive at the same conclusions as the London County Council had come to.

As he listened to the discussion which took place on the last occasion, which carried things back to prehistoric times, he was amazed at the lack of comprehension of the problems with which London was confronted. It sounded as though the author in his Paper had been relating fairy tales and raising difficulties which did not exist in order to provide solutions for those imaginary difficulties. To one who had, might he say, the misfortune of having tried to tackle some of those problems, and who had been playing the game of rolling the stone up the hill over and over again only to see it come clattering down again; to one who had sat on the Advisory Committee of the Ministry of Transport in order to see if something could be done to get London's traffic into some sort of order, and found that it was impossible to do anything because there was no central authority to lean on; to one who had gone to the Arterial Road Conferences, where after long months unanimity was reached, and then found that there was no driving force to carry out the results there

arrived at; to one who had sat on electricity committees in order to find out how to solve the great problems connected with electricity, which interested the members more than many might realise, and found again that the whole problem was complicated by the fact that there was no central authority—when he remembered all that and remembered the desire not of the London County Council but of other people working outside, even colleagues of his own, coming from outside county councils, that something should be done, then, after listening to what had been said during the discussion on the previous occasion, he had to confess to a feeling of weakness.

What was the position of the London County Council? After long years they had been driven to the conclusion that the problem needed to be settled. He ventured to say that the *primâ facie* case put before the Prime Minister was of a very conclusive character. They had an uphill task, but the Prime Minister was satisfied that there was something in it, and the fact that a Royal Commission had been set up showed that, at all events, there was something to be said for the necessity of dealing with the problem and for the necessity of dealing with it in a fairly drastic manner. What was the attitude of the London County Council? Of course that body had been referred to, and was always being referred to, as a most extraordinarily bellicose body—a grasping body. It might have been that in its younger days, but it was getting old now; and he ventured to think it was rather more afraid of responsibilities at the present time than it was some years ago. The London County Council was said to be a very political body. It was, because unfortunately London sent people of different politics to sit on the Council. Holborn had read the Council a lecture, but Holborn had only one colour, and if they wanted politics they had to have them on debating society lines. He might say, however, that in the last three years there was not a single measure of first-class importance which had gone through the County Council which had not gone through with unanimity; almost every party on the Council had agreed to all first-class measures,

including Labour. That was something to be said in favour of the County Council.

With regard to the Greater London problem, the case for providing a solution was put forward with unanimity before the Prime Minister; there was no dissent whatever except on points of detail, such as municipal trading *versus* private enterprise, and things of that kind, which were quite minor points when one was dealing with large problems. The County Council had said, "Here is a problem; it requires to be faced. Everybody should be willing to make some sacrifice to try and reach a solution." How did the County Council put its case forward? It declined before the Prime Minister to put forward any scheme, because it knew from bitter experience that as soon as it had put forward a scheme so soon would public opinion be mobilised against it. When the Commission was set up, the County Council had no alternative; they were asked for a scheme, and the question was on what lines that scheme should be produced. He would venture to repeat an answer that Mr. Norman gave which made the position entirely clear. When the real heart of the problem came to be dealt with, all parties on the Council, to his amazement, were agreed and said, "We are willing to go before the Commission and say, 'You can wipe us out; you can put an end to the County Council; we will throw ourselves into the scales, so that you may produce a scheme without being embarrassed by the existence of the Council.'" Mr. Norman made the position perfectly clear over and over again, and he said before the Prime Minister what he and the Council had stood by ever since, "To carry out any such scheme as we have outlined will undoubtedly involve sacrifices by existing authorities who are asked to give up much to benefit the whole. We are strongly of opinion that the Council should itself accept this position, and be willing to agree to being merged in a greater authority if thereby a much-needed and long overdue reform of local government in Greater London can be effected."

The scheme having been prepared, the question next arose as to what line the London County Council was to

take. The Council thought that they must put forward something which would be logical; they knew they would be attacked from all quarters. To try and put forward a scheme which was from the outset a compromise would not, in their opinion, help the position. Therefore the Council put forward a scheme which was a logical scheme; it advised a central authority for the larger area—whatever that area might be—it was to be selected by the Commission. The Council said nothing as to the size of the area, but thought that in addition to that central authority there should be a ring of independent subsidiary authorities. There was another reply of Mr. Norman's that he would like to read: "We think that at the outset the Council
" should confine itself to placing before the Royal
" Commission its views as to what in its opinion would be
" the best method of organising the local government
" administration of Greater London, if the problem were
" not complicated by the existence of many independent
" local authorities which have long been established in
" various parts of the area. It would then rest with
" the Royal Commission, after hearing the evidence and
" learning the views of the other authorities concerned,
" to adopt the scheme suggested by the Council if it thought
" fit, with such modifications thereto as might seem desirable on account of historical and local sentiment, or
" which might be required by the necessity of obtaining the
" approval of Parliament if practical results are to follow."

The Council presented no ultimatum to the Commission. It attempted to assist them to the best of its power. It said: "There are other claims, and when you have heard them all
" it is for you to frame some scheme such as it may be
" possible to get through Parliament." Surely no public body could take up a more public-spirited attitude than that. He was surprised the Council had been induced to take that attitude, to throw itself into the scales. It had done so, and had put forward what would have been a logical and indeed an ideal arrangement if there had been a clear field. It had then left it to the Commission to hear other evidence, and possibly opportunities might then arise for a conference

between the different authorities, to see if some really practicable scheme could be finally adumbrated.

He would not attempt to go further into the matter. He had merely tried to put the position of the County Council in the right light, and to make an appeal to the distinguished body he had the honour of addressing that, instead of spending time carping at the Council and criticising it, they should do all they could and bring their best brains to bear to see how something could be brought about which would be for the good of the great city of London, to which all its citizens were proud to belong.

Mr. F. M. ELGOOD (Fellow) said he would not venture to traverse the whole expanse covered by the Paper, nor would he attempt to follow the speakers who on the previous occasion established such records of personal service and experience in municipal work. He was glad indeed, as he was sure all the members would be, that Mr. Hume had taken the bull by the horns and had led the meeting back to the really salient features of the Paper which was under discussion. He would like to say at once, however, that his interpretation of the Paper differed materially from that which was given by many speakers who had taken part in the discussion on the previous occasion. For his part he did not gather that the author was at all in favour of an enlarged County Council. That was not the idea of the Paper at all. In regard to that matter, however, the author was perfectly well able to take care of himself. In any case he felt that he was on safe ground in saying that the members had not met that evening to discuss the proposals of the London County Council, whatever they might be. The proposals of the London County Council, to his mind, having regard to the importance of the problem, were merely incidental to it, and if members, as surveyors, approached the question upon those grounds on which they were most qualified to speak, there was no reason why their opinion should not carry as much force as the opinion of the London County Council.

It seemed to him that the essence of the whole question could be summed up in the quotation which the author

made from the Report of the Departmental Committee of the Ministry of Health on Unhealthy Areas. It was quoted on page 86 of the *Transactions*, and was as follows: "Our Interim Report indicated our opinion of the necessity for the preparation of a general plan for the reconstruction of London and for a new authority covering a larger area than that of the London County Council, and having powers to deal with certain subjects common to the whole district. We desire to repeat and emphasise our recommendations in these two respects."

He must frankly admit his entire concurrence was with those two recommendations. He entirely agreed with the absolute and immediate necessity of the preparation of a plan for the future development of Greater London, and that plan would presumably include the general lines of future development in respect of such matters, particularly transport both by rail or road, open spaces, allocation of areas for industrial and residential purposes, not only in the undeveloped country but also in the built-up areas; and secondly, he believed that there was a great need for a new co-ordinated authority having power, in the words of the Committee, "to deal with certain subjects common to the whole district."

It was quite clear obviously that there was no authority in existence at the present time which had sufficient powers and resources to deal with those common interests. Was it desirable, therefore, that those common interests, or some of them, at any rate, should be dealt with as a whole? The author had surveyed the widest field possible, and had given the members much food for thought. He himself might be permitted, however, to deal very generally with two of the problems which were common to a district far larger than the administrative county of London and which, he submitted, did call for co-ordinated and common action. Those two important problems were that of future development and that of communications. Exactly what should be the extent of a new and enlarged area he did not propose to discuss; in fact, he did not think it really much mattered as long as that area was large enough. Except by implica-

tion—he was quite sure the subject must have been very much in the author's mind—that gentleman had not shown how many of those desirable schemes for the improvement of London and parts of the home counties, such, for instance, as the provision of arterial roads, extension of traffic facilities, development of riverside areas and docks, and the improvement of housing conditions, could be obtained by an enlarged town planning authority with extended powers. It did not follow that such an enlarged town planning authority would be an absorbing authority. In fact he thought it was highly desirable that it should not be of the nature of an authority which absorbed all the existing town planning authorities. It should have concurrent and extended powers to enable it to initiate proposals and to give assistance to local authorities or to groups of them, or to undertake responsibilities which a single authority was unable to incur owing to its more limited interest.

At the present time there was a great number of local authorities in Greater London which had embarked upon town planning schemes, and their number would be materially increased in 1923, when the compulsory powers under the 1919 Act came into force, whereby local authorities with a population of 20,000 and over would have to prepare town planning schemes. A central authority for town planning such as he suggested was not really a dangerous experiment. In fact he did not think it was an experiment at all, because there were ample precedents for such a combination of authorities in the various joint committees which existed in Greater London at the present time for all sorts of purposes. It was interesting to note that there had already been set up quite voluntarily such combinations of town planning authorities, for instance, in Lancashire, in the Doncaster region (the new coalfields), and in West Middlesex, and elsewhere, for the simple reason that it was felt by the authorities forming parts of those groups that singlehanded and alone their areas were so small, and they were so dependent one on the other, that they would be unable to plan efficiently without the assistance of

their neighbours. He might also refer to the success, to which Mr. Hume had already alluded, of the Arterial Road Conferences which took place in the early days of the war, and where, as would be remembered, the sections of local authorities around London were split up and formulated their proposals and brought them all together in one conference, which adopted them. It was, of course, to be regretted that they were, so to speak, at the time more or less beating the air with their plans, but he thought everyone must have very good cause for congratulation at the work that those conferences did, inasmuch as at the present time, which was one of great stress, the plans and the lines of those new roads were all ready to be adopted, and the roads were in fact in some cases being constructed under the Unemployment (Relief Works) Act.

If he might digress for one moment with regard to the expense of carrying out some of the works which the central authority would provide for in the scheme, it might be of interest because it had been one of the great fears of local authorities that in planning such matters as arterial roads they would be saddled with an enormous amount of expense. There might be many present who had had, or were having, some experience in regard to the claims for compensation for those pieces of arterial road which were at present being made. He did not know whether any such claims had actually been settled. He believed it was the expectation and it was certainly the hope of the valuation authorities that the whole of the land for the arterial roads might be given free by the landowners, and that the expense of making up the roads to the extent of the by-law width might be paid for by the frontagers as and when their land was developed for building, leaving only to the central authority the cost of the extra width of the roads. If that came about in a large majority of cases, it would certainly be a great triumph and a great vindication of town planning methods. How different, for instance, was it from the procedure which had been adopted by the Middlesex County Council in regard to the Western Avenue, where, in total disregard of the town planning powers possessed by individual local authorities,

they proceeded to purchase great blocks of land through which to drive their road.

With regard to the central town planning authority, his idea was that it could only effectually deal with problems of development and communication where such problems were of more than local interest. It should confine itself, except by arrangement with the local authorities individually, to laying down the general lines of a skeleton plan in conjunction and in collaboration with the local authorities. It might be, of course, that the local authorities would in many cases desire that the central authority should formulate further proposals on the same plan, but it was not necessary that they should do so; and if it was not done at the request of or by agreement with the local authority, he thought the central authority would be outstepping its duties.

Obviously the matters which would be comprised in the skeleton plan would be first and foremost the lines of communication by road construction, and in roads, of course, must be included such cognate matters as bridges, which were a great expense, so much so that wherever there was a railway to be bridged, or a canal or a river, it would be found that at the present time local authorities were absolutely at a deadlock. They could not and would not face the expense and responsibility of building the bridges. Then again, there was the question of zoning, or what perhaps was more generally understood as the allocation of areas in the Greater London districts for various purposes, such as industrial, commercial, and residential purposes.

In regard to housing he did not want to over-emphasise that, but he would like to say that he failed to see how any really satisfactory method of dealing with the clearance of unhealthy areas in and near the centre of London could take place unless there was some agreement with the local authorities outside London as to where further houses were to be built. There was also the question of siting satellite towns. He thought some of the speakers at the previous meeting had expressed the opinion that London had grown to its furthest limits. If that were so no harm would be done in laying down plans on paper for the creation of

satellite towns, but, on the other hand, if those prophecies were false and London had not reached the limits of its growth, much good would be done. Satellite towns were somewhat akin to garden cities, but they were not quite the same. The problem closely connected with additional housing areas and satellite towns was that of transport. A central authority such as that which he had in mind ought to be responsible for communications, railway communication, light railways, tramways, and such matters as those. It would be merely perpetuating the inconvenience from which everyone had suffered for many years past through overcrowded trains not to consider the question of housing in relation to means of communication. There were thousands and thousands of people going out of London, particularly to the north and north-east, and it was not sufficiently realised that in the north-west of London, quite close, there were great green spaces and healthy hills which at the present time were sparsely inhabited, owing to the backwardness of railway communication and transit.

He did not think he need do more than mention the question of open spaces, but there was an obvious necessity for securing the retention of sufficient open spaces. Drainage areas would also be a matter which the central authority could well cover in its survey of the future needs of its area, so that wasteful schemes of sewage disposal might be avoided. There were one or two places which he knew of where there were actually two outfall schemes belonging to different authorities side by side. All members would have experience of cases where it was quite easy for one part of a local authority's district to be drained into the system of another local authority, and yet there was no power to compel a local authority having a drainage system to take such drainage even on terms. It was impossible for the various matters he had mentioned to be dealt with satisfactorily under present conditions with about a hundred different local authorities responsible for little bits of territory.

He would have liked to say a word about finance, but time did not allow him to do so. He would therefore

conclude by repeating what he had often maintained, that it was not a question of what town planning cost but what it cost not to town plan.

Mr. FRANK HUNT (Fellow) said that in a sense he was speaking under some difficulty, because Mr. Hume had immediately preceded him. He did not want, that evening, to deal with any question which might be considered as anything other than a purely surveyor's consideration of the problem dealt with in the Paper.

In the first instance he wanted to say how much he regretted that he had not been present on the previous occasion to hear the author read his Paper. From the able speech Sir Edgar Harper made in moving the vote of thanks he had learned that the author had read his Paper in a very admirable way. That was not so common that one could afford to pass it over. The next preliminary point he would like to make was that had he been able to be present it had been his intention to suggest that The Institution itself should have considered whether, on the wide question raised by the appointment of the Royal Commission, as surveyors they could not have offered to it the most valuable assistance. Having regard to the report of the speeches made at the previous meeting, he had been rather glad from one point of view that he had been absent, because he was afraid that if what had been said on that occasion really represented the views of the profession, no suggestions, however common-sense they might be, that the Council might have tendered to the Royal Commission would have been likely to receive very serious consideration. He had seen since that the Council had appointed a committee to consider the matter, and he was hoping that the keynote struck by Mr. Hume that evening in his speech, and followed so well by Mr. Elgood, would bring the meeting back to a consideration of what he might call the surveyor's points in the matter in question. The members were not present as citizens of the little cities—villages, if they liked—that were scattered round the county of London; they were present purely as surveyors, and in that room he, for one, would

endeavour to deal with the matter purely on surveyors' lines.

The first point that occurred to one was that the price which had to be paid for living in any organised community was a share of the common burdens of that community, and therefore any district which really had a community of interests might be considered to fall within the ambit of any real consideration for a reorganisation of the public services. There were numbers of items which affected all, more or less, alike, but there were some in particular which fell on all and should be commonly shared. Mr. Elgood had indicated a number of such items, but he did not think he had exhausted them by any means; his own list would extend far beyond those which had been mentioned. At present one found from practical experience that the State had had to recognise that certain services needed spreading over the widest of areas. Ever since the early part of the nineteenth century the Metropolitan Police District had extended far. Long before the Act of 1855 the necessity for a building law was realised, and a distance of 12 miles from Charing Cross was the area that it was thought possible to bring within common building regulations. An *ad hoc* authority existed in the Metropolitan Water Board, as it had been realised that one could not restrict a public service like water supply merely within the fortuitous boundaries of the parishes which happened to be included in the area of the metropolis in 1855. An endeavour had recently been made to settle quite scientifically a much wider area for the public service of electricity. Every one of those things was an indication of the necessity for dealing with certain services on a wide basis. There were many others, some of which he thought Mr. Hume had indicated, where the necessity for a wider area than the boundaries of the county of London called for consideration. As surveyors, members were bewildered to find one building law within the county of London and on stepping over the boundary to be uncertain which particular variety of code obtained; and, what was worse than that, if they knew which code was in force, they were never certain of the way in which it would

be administered. One might have exactly the same code of law but an entirely different method of administration. As surveyors that alone was a condition which they must deplore.

To deal with the question of housing. If there was a problem at the present time which gave surveyors the greatest anxiety it was the question of housing in all its phases. Some two years ago it was sought to deal with the housing problem of London and of Greater London by a series of conferences based very much on the model of the Arterial Road Conferences for which Mr. Elgood had so much admiration. The needs of the various sections of Greater London were considered, but in the end it had been found hopeless to make any progress on those lines, for the reason that the greatest need was, in dealing with the overcrowded population of the county of London, that they should be placed in districts beyond the boundaries of that county, and none of the authorities in the districts beyond the boundary was prepared to accept the responsibility for the erection of houses of the class required for the accommodation of the people who needed to be re-housed from London. It could be done only by considering the area as a whole. There were large dormitory districts on the eastern side of London in the county of Middlesex or Essex. Immediately over the border one had West Ham, East Ham, Walthamstow, Tottenham, and Edmonton—all districts which were largely areas with low rateable values. They were districts which required, by reason of the character of their population, a large share of the public services which were generally performed for the poorer part of the community by their wealthy neighbours. The districts he had mentioned had no wealthy neighbours to share the cost with them, and so one found that in those districts which needed much in the way of assistance there was no one who, on the basis of community of interest, could share the obligation imposed on the community of helping to bear the common burden. One could not find a wealthier community to share that burden except by crossing London and taking some of the districts on the other side. It was impossible to link

together a group of people such as those who lived in Edmonton, Tottenham, and West and East Ham, and expect to find help in that direction. It could be done only by a much wider group of areas, so that the burden might be shared.

One witness before the Royal Commission was asked a question as to whether it was true that the elementary education rate was 5s. 5d. in the £ in the case of Tottenham, whereas Richmond had an education rate of 1s. 2d. in the £, and whether this did not indicate that the former was extravagant. To surveyors the reason for that difference was obvious. Tottenham would be a district with a low rateable value; hence, for exactly the same expenditure, the rate would be high. Richmond had a high rateable value per head, and hence the rate for the same expenditure would be low. But there was more in it than that. The class of people in Tottenham were those whose children normally went to public elementary schools; in Richmond, on the other hand, the class of people would be such that most of the children would not go to public elementary schools but to public schools or boarding schools. Closer investigation of the figures of those two districts seemed to show that while that generalisation was right, there was the further point that per 100 families there was an elementary school population of 73 in one case, that of Tottenham, whereas in Richmond the elementary school population was only 27 per 100 families. There was not only a great difference in the capacity to pay; there was a very wide divergence in that other respect.

As his allotted time had expired, in conclusion he could only hope that those who followed him would endeavour to discuss the matter simply and solely from the surveyor's point of view.

Mr. H. J. LEANING (Fellow) congratulated the author on his Paper. He was specially qualified to deal with the subject because he had had unique experience, as most of the members were aware, in municipal matters, and knew his subject about as thoroughly as any man in London.

The impression one gained from reading the Paper was that the author was convinced that we were on the eve of a great change with regard to London. He felt that that was the case himself. He happened to meet Mr. Davidge frequently at a society which many of the members might have heard of—the London Society—which had specially concerned itself with all questions relating to London. In that society he found that the author's views on almost all the subjects that were brought forward were broad and sane, and he thought that the Paper contained most of the views that he had heard him express privately. He proposed to come straight to a technical point, because that was the most valuable thing that the members could do in a discussion of the present kind. The point to which he desired to allude was one which had been raised in many places with regard to the public services of any great capital. It was true, of course, that the cost per head of public services in a large city decreased according to the increase of population, but only up to a certain point—he believed about 250,000. After that point had been reached, it was found that the cost of those services increased with every increase in population. That was a question of fact which could and, he thought, had been proved. It was due to the wide-paved roads, extra bridges, &c., and the vast drainage and water schemes which had to be carried out; everything had to be on a larger and wider scale per person.

There was one important fact with regard to London that not all Londoners realised, and that was that London had not been and was not now quite self-supporting. If it were not for the two powers which had in the past acted as a sort of special providence for London, their city would not have been the splendid one it was. He referred, of course, to the Crown and to the City Corporation. It would be rather difficult to imagine London without the Royal parks, museums, galleries, and public buildings, which had been provided by the Crown; and it would also be difficult to imagine London without the munificent gifts which the City Corporation had made from time to time, such as Epping Forest and many other open spaces, and the central markets and most of the

bridges. None of those things had come out of the rates, and it made one rather wonder how in the future, when those old sources of income had ceased—except for one comparatively small one, the Bridge House Estates—it would be possible to provide for the vast improvements which had been suggested and which every year increased in number.

The arterial road programme alone was an enormous one. He was glad to hear from Mr. Elgood that that programme was likely to be accomplished at a minimum cost. Possibly the roads might be realised, but there were many other things which had to be done in the near future, and it was difficult to see where the funds were coming from. Unless the Exchequer would regard London as its special charge and make a grant towards such things as were necessary, or unless a larger area could be covered, as had been done in Birmingham, from which a levy could be made, he did not see where the money would come from. Of course the bare mention of a levy meant mass meetings throughout Hertfordshire, Middlesex, and all round, to prevent any such thing. He thought it was rather shortsighted of the inhabitants of those outer parts of London, and not very generous of them to take up that attitude. They ought to be proud and pleased to add to the amenities and worthiness of the place from which they derived their living and enjoyment.

The subject in which he was most interested was that of transport, and as that had not yet been dealt with in the discussion, he would like to spend the remainder of the short time that was available to him in dealing with that question. He had attended several conferences at the Local Government Board on arterial roads, and he could not help thinking while he was there that it was putting the cart before the horse to deal with roads before railways. When one looked at the Clearing House official map of the railways of London, **one was struck with a feeling of confusion and chaos.** It really was quite a chaotic map. One wondered how with all the various separate ownerships and inter-communications with mutual running powers, &c., it was possible to run the traffic properly. It was admitted on all sides to be extremely

wasteful. The London Society, being young and ardent, thought it would tackle the railways problem, and it took the map and divided the problem into sections, viz., main line traffic, suburban traffic, goods traffic, coal traffic, and so on, and obtained expert advice. After a long series of heated discussions it evolved a scheme which was now before the Ministry of Transport. They foretold the formation of one group for London, and had assumed one ownership which had altered the whole problem. Although he had no doubt whatever that many holes could be picked in that scheme and many faults found in it, at any rate he thought it deserved the credit of being a scheme, a basis for discussion. When one considered that a plan for London railways had been demanded by the Select Committees of both Houses since 1863, it made one wonder why the thing had never been tackled before. What happened now? A group of Bills, perhaps 20, came before Parliament, and they appointed a Select Committee to deal with them. The Select Committee looked at them in a bewildered sort of way. They had no idea as to what really ought to be done and practically gave it up, and concluded their Report by saying, "We hope in the near future someone will prepare a plan which may be a guide for us when the next lot of Bills comes up." The matter had gone on in that way from year to year. The Committee on Unhealthy Areas had made a similar recommendation. That Committee dealt with the slums, but it made a similar recommendation with regard to streets in practically the whole of London. That Committee had asked for a plan, and he hoped that the period which would elapse between the date of the recommendation and the date of the preparation of the plan would not be as long as it had been in the case of the railways.

It was quite impossible, in the short time at his disposal, to deal with any of the details of transportation, but he would like to say—he did not know whether he was getting too political—something with regard to the attitude which he thought the central authority should adopt with regard to transportation. He did not know whether it was within the recollection of the members that when there was so

much talk about the nationalisation of railways, the suggestion was made by the Prime Minister that the nation should own the railways; that was to say, they should own the freeholds and the stations, and so on, but not the rolling stock—that they should own the railways but not operate them. That suggestion was not accepted, but it seemed to him to be the ideal solution of the problem. It was the system upon which most of the Indian railways were worked at the present time, and in that country it had been found thoroughly satisfactory. It gave the owning authority absolute control over the lines, and the public did not suffer through want of capital for development. As far as operation was concerned, if the parties to whom the lines and undertakings were leased did not carry out their duties satisfactorily, one could get rid of them and get someone else. It seemed to him that that was an ideal condition of affairs, and therefore suitable for London.

There was a point in the Report of the Departmental Committee on Railways in 1911 which was rather important with regard to competition. It might be said that if the whole ownership was put into one hand there would be no competition. He thought it had long since been concluded that competition in central services had ceased to be in the public interest. The Committee stated emphatically that co-operation was better both in the public interest and for the railways themselves than competition.

He would like to support all that had been said with regard to the preparation of a plan, and he would conclude by saying just a word as to the size of London. It was difficult to imagine what London would become in twenty or forty years' time if it was allowed to grow in the existing haphazard way. Unless there was some sort of control he did not see what was going to happen. He did not suppose anyone would like to see London built solidly for twenty miles all round, but unless someone interfered, that was what might happen. He thought the Town Planning Acts and the new kind of Town Planning Acts which seemed likely to come into being—Zoning Acts and Development Acts, which would give the central authority control over

the use of land, height of buildings, &c.—would in the end prove to be the salvation of London.

Mr. HORACE CUBITT (Professional Associate) said the Paper touched on so many points that it seemed to him that any one who took part in the discussion must rather confine himself to a few only of them. At the present time, when the Royal Commission was sitting, the thing which really had to be looked at was the question of the machinery of local government. That, of course, had to be looked at by them from the point of view of surveyors. As surveyors members had to deal with certain things—roughly, they might be set down as streets, railways to some extent, sanitation, buildings, and rating. Now what members had to ask themselves was: Did the machinery of local government in London and Greater London work efficiently in regard to those items? Practically everyone would agree that the machinery was working at something less than the efficiency with which it should work, and that it required altering. The difficulty, of course, was the way in which it should be altered. He thought, however, there would be a general consensus of opinion among surveyors that there was a great deal to be said—that there was everything to be said—for a larger authority dealing with Greater London. With regard to streets and railways, unless one had an authority dealing with a large area, it seemed impossible to get an efficient system either of main roads or of railways. The question then arose, if the London County Council were extended or modified to become an authority dealing with a very large area, it seemed obvious that it must not endeavour to do anything like the amount of detailed work that it did at present. Mr. Hume, speaking on behalf of the County Council, had said that the Council quite accepted that position, and that it realised that it would have to confine its activities to dealing with matters on broader lines. He said also there should be one central authority and a number of subsidiary authorities. That seemed to be the right plan as long as the subsidiary authorities were not too subsidiary.

He would confine himself more particularly to the problems connected with the centre of London. There had been a good deal of discussion on arterial roads, zoning, town planning, and things which affected the outskirts of London. He would like to invite the attention of the meeting to the centre of London. If a central authority were created, and did not concern itself too greatly with details, the question arose, What was going to happen in the present metropolitan area? If the detailed powers hitherto enjoyed by the London County Council were to be delegated, it seemed to him it would be a most unfortunate arrangement if those powers were to be administered by the twenty-nine different city and borough councils, which at present had to look after the metropolitan area. Sir Edgar Harper, in his speech on the last occasion, had dealt with the question of grouping, and had instanced a thing which everyone could criticise, the smallest borough council in London — Stoke Newington. Sir Edgar had said that boroughs like Stoke Newington would have to make up their minds to become absorbed in other boroughs. He would like, however, to suggest that the problem should be regarded on very much broader lines than had hitherto been the case. He had with him a map of the borough council areas, and also a map of the council electoral divisions. He suggested that in any revision of the areas of the metropolitan borough councils existing boundaries should be almost entirely disregarded. If one looked at the present borough council boundaries and then at the boundaries of the county electoral divisions, one would find that in nearly every case the borough boundary coincided with the boundary of an electoral division. The borough council areas occupied shapes which were most inconvenient for local administration. There was no logic about them. As was well known, when an electoral area had to be determined the work was generally carried out by the party in power in Parliament by grouping the voters in such a way that their party would always have a majority in the divisions which were created.

It seemed to him that there ought to be 9 rather than

29 local authorities in London. Dealing with the centre area, it seemed to him absurd that, south of the river, one got districts within a mile radius of that very important centre the Elephant which belonged to four different borough councils. Surely that should be all one area. He suggested that they should take South London and say that all the centre portion, including the boroughs of Bermondsey and Southwark, parts of Deptford, Lambeth, and Camberwell—all the area in the loop of the river between the Isle of Dogs and Vauxhall Bridge—should, for administrative purposes, be one area. Then to take the north side, following the river frontage, a grouping into about four big areas suggested itself. Take the obvious case of Westminster and Holborn, what difference was there between Westminster and Holborn? Why should one be Westminster and one be Holborn? It seemed to him there was no reason whatever for that distinction, and that parts of Marylebone and Paddington might also be added to the combined area.

The question as he understood it was that members, as surveyors, were out to get an improved machinery of local government. The problem could be dealt with in a sketchy manner; but it seemed to him that if that were done, one might talk all round the subject without coming to any concrete conclusions. He would rather, if he might, finish by suggesting certain concrete things. For example, he suggested that if the London County Council area were extended, and if certain powers were delegated from the County Council to subsidiary bodies, those bodies should not be the little narrow borough councils which at present existed, but larger bodies. If one took the centre area of London, including the City, the whole of that area could very well be grouped into five or six really responsible areas for administrative purposes. He suggested that surveyors who were concerned with streets, buildings, sanitation, and rating, would much prefer to have to deal with large authorities. Moreover, as regards streets, the large authorities which already existed—such as the City Corporation and the city of Westminster—had done quite a lot of good work in street widening. The small borough councils were incap-

able of dealing with large schemes, but if there were bigger authorities more could be done in that direction, and better results would be obtained.

In conclusion, he would like to congratulate Mr. Davidge on his Paper, which he felt sure would be a most valuable work of reference for many years to come.

Mr. J. CALVERT SPENSLEY (Fellow) apologised for mentioning a point which he was afraid was a little out of focus with the general line of the discussion, but he did so because it was definitely a surveyor's point. It was rarely one had the opportunity of listening to a Paper by someone who besides being an architect and a surveyor was also a civil engineer. The point to which he wished to refer concerned tube railways and their stations. The author in his extremely interesting Paper suggested that there was something wrong in the tube railways having so large a number of stations, and said that the cost of the stations had been responsible for three-quarters of the whole cost of the railways, which was £600,000 a mile. The author suggested that the stations on tube railways should be five miles apart. The point which he wished to make was that there was a better way of reducing the cost of tube railways than by eliminating stations—the design of the stations had been all wrong from the very beginning. Instead of bringing the lines under the stations, so that the lift went straight on to the platforms, the stations had been connected with the lines under the roads by unnecessary subways and stairs which were expensive to construct and to maintain. That defect was particularly grave in the case of exchange stations. If the lines at the exchange stations had been immediately under the surface booking-halls, it would have been possible to exchange from one railway to another merely by the extension of the lift. One could not imagine anything more extravagant than the design of Piccadilly Circus Station, where one had, he supposed, a quarter of a mile or so to walk to get from the bottom of the lift to the different platforms. All that would have been obviated if the lines ran immediately under the station. The only excuse which had

been and could be offered for the state of affairs which existed at present was the cost of easements. But the author, as a surveyor, would be able to inform himself, as a civil engineer, that the cost of an easement for bringing a tube railway under private property instead of under a public road was a mere £1 a yard or something of that kind, so that a large part of the cost of the stations could have easily been saved by eliminating all subways and stairs. He emphasised that point because if there was to be an extension of the tube railways it was important that it should be borne in mind, and it was a point which had been consistently overlooked. The City and South London Tube was constructed many years before the Central London Tube, and the Central London Tube many years before the Hampstead Tube, and yet the perfectly obvious simple point to which he had drawn attention had always been missed.

Mr. W. AUGUSTUS FARNHAM (Fellow) said that, all-embracing as the Paper was, to his mind the author had missed touching on one of the greatest problems of Greater London, and that was the problem of how to muzzle a certain section of the daily press while the matter was before the Royal Commission. It was a well-known law and custom in this country that while a matter was before the Courts it must not be discussed outside, but in the case of the problem of Greater London there had been an atmosphere of suspicion and partisanship introduced in the discussion by such remarks as the "The London County Council grab."

Mr. Hume had given expression to what personally he had always understood to be the views of the London County Council. He had stated that so far as the Council was concerned it was prepared, if it was thought to be for the good of the large area which would be created, to be wiped out entirely and a new body substituted. That was the view that every citizen should take. It was deplorable that a matter that affected the health and welfare of seven millions of people should be treated in the manner in which it had been treated. He need not detain the meeting by giving

the views of the London County Council; he was not present to express them. He would simply say that their views were what had been stated, and it was for the Royal Commission and not for the London County Council to say what should be the future method of governing the large area which would have to be dealt with.

It had often been stated that a large area would mean an increase in the rates of the districts which would be incorporated therein. Some few weeks ago he had met an elderly relation who had always taken a keen interest in local government and who lived in a north-western suburb. That gentleman had asked him his views on the question under discussion, but in deference to his age he himself had asked him what his views were. His relation said, "This scheme will raise our rates, and I object to it." In answer to a question as to what his rates were, he replied "18s. in the £." He (Mr. Farnham) responded, "Heaven help my district, where the rates are under 12s. in the £, if it is going to increase yours."

It was a well-known fact that efficiency and economy were popular cries at every election, but were often forgotten afterwards. He submitted that efficiency would always make for economy, and if one could promote the efficiency of the large area which had to be administered, he felt sure that by doing so economy would be effected at the same time. To look at the present position of affairs, local authorities were in many cases carrying out the same work. In minor matters, for instance, one found the London County Council inspector wandering into a borough area, going into a bakehouse and inspecting it, and being followed by the inspector of the borough council who was doing the same thing. Again, inside the county of London the control of the music and dancing licences was in the hands of the County Council, but across the boundary it was in the hands of the local authorities. Again, with regard to building, the London County Council, through its district surveyors, administered the Building Act. Outside the county of London the Act was administered by the local authorities. Again, with regard to sewage and water, both

inside and outside the county of London, the local authorities superintended the local sewers. Why should the local authorities not superintend the local water mains? It was done in many of the large provincial cities and boroughs, and he failed to see why the control of the water mains should not be in the hands of the local authority, instead of being administered by an *ad hoc* body like the Metropolitan Water Board.

Coming to transport, what did one find? Tubes and other facilities had extended more especially in the north and north-west districts, and were entirely absent in the south and south-east. No doubt it paid the companies who were running them better to extend existing services rather than start in a new direction and begin afresh. The result of that was that London, which ought to form a symmetrical cart-wheel with the business centre as the hub, was now extending and getting out of shape: it was extending to the north and particularly to the north-east, while within eight miles of Charing Cross, in a southern and south-easterly direction, there was ample building land which might be occupied.

Again, with regard to roads it had been his duty some months ago to attend at the Ministry of Transport. As the members would be well aware, at the present time the Ministry was busy on the classification of roads, with a view to the relief of the local rates from the proceeds of the motor tax. He had gone to the Ministry to plead the cause of his own district, and had been told "This work is almost impossible in Greater London. We have to reconcile the differences of 128 local authorities, each one feeling that it has been unfairly served. To carry on under this state of affairs is almost impossible." Personally, however, he believed that there was a solution, and an easy solution, of the present position. Any new authority, to his mind, should be not only an administrative but also a legislative authority. It seemed to him absurd that the Imperial Parliament, which was controlling and trying to manage half the area and population of the world, should have to deal with matters concern-

ing the local government of London and its environment. He did not suggest, of course, that the central authority should have autocratic powers in respect to those matters, but he did submit that it was possible for such a central authority to legislate for the area, and that a veto might well be placed on their legislation in the same way that a veto was placed on a Provisional Order, by laying it on the Table of the Houses of Parliament before it became law.

Coming to administrative matters, the present authority might well be divested of many of the administrative matters with which they had to deal at the present time. A great share of the duties of the London County Council could well be transferred to the local authorities. On the other hand, duties had arisen since the London County Council was constituted which might well be undertaken by the new authority—notably water supply, the Port of London, and arterial roads. In that connection it was rather a strange thing to find that the London County Council had had to go outside the boundaries of the county of London and make arterial roads in the adjoining counties. He would suggest that the central authority should, to put it briefly, deal with all matters which could not be dealt with locally, and that, on the other hand, the duties and responsibilities of the local authorities should be increased. It was important that the local authorities should expend the major part of the money which they had to raise. That alone would make for economy; spending would bring responsibility. The local authorities would have to account to their ratepayers for that expenditure on the spot, and it would make them careful and remedy one of the great grievances which was so often mentioned—"We have to raise money which other people spend." Further, he was convinced that the longer one hesitated to tackle the important subject of Greater London, the more tangled the problem would get and the greater would be the difficulty in unravelling it in the end.

The SECRETARY read the following written communication received from Mr. EDWARD WILLIS (Fellow):—

The Paper itself is so intensely full of interesting matter that one feels practically compelled to generalise, and in so doing may I express my agreement with Mr. Davidge that the first need is for a comprehensive plan of London as it now exists, to be utilised for showing in skeleton the best development that can be evolved by the brains of the country.

Some years since I had the privilege of being the only surveyor and engineer holding a municipal appointment (such appointment is, unfortunately, the cause of my present absence) who was elected to serve on two of the sectional sub-committees which were asked to make recommendations for arterial roads in Greater London, and as a direct result of the conference, whose decisions were based on the recommendations of the committee then formed, a vast amount of work has been provided for unemployed labour during the past two years, serious trouble being probably prevented. Those committees endeavoured to co-ordinate local ideas with London or national requirements, and whilst no human scheme is perfect, the results obtained amply justified the time spent thereon, most of which was voluntary.

Whatever the Commission may ultimately recommend, this question of a skeleton plan seems to me to be essential and pre-eminent for the proper development of Greater London.

The other general point I would wish to emphasise is the necessity of coming to some conclusion as to the area over which some Greater London governing authority may operate. It is difficult to see how all public utilities could be conveniently co-ordinated within a single large area or to define such area, and it would be equally difficult for large governing authorities to give adequate detailed supervision to all services over an area even as great as the present London county area. It would, however, appear desirable to centralise the principal services, and to decentralise those which require intimate local knowledge and detailed supervision. Some provision of this kind should ultimately lead to great economies and improved amenities, since the large governing authorities usually attract the men of broad minds and views, whilst the smaller authorities often retain

the services of men who have the interest of their community at heart, and feel compelled to consider this rather than the larger interests.

In suggesting even that such a larger authority, popularly elected, be formed, I would emphasise that this authority should be strictly limited in regard to its controlling powers—should, in fact, act more on the principle at present adopted by the central Government departments, leaving wherever possible the detailed supervision and administration to be conducted by local bodies of sufficient size to attract good men.

Might I suggest that the new area defined by the Electricity Commission might form an acceptable area for dealing with skeleton town planning, main arterial or trunk roads, transport, water supply, police, open spaces, markets, hospitals, sanatoria, asylums, fire brigade, and sewage disposal?

Whilst I suggest any new Greater London authority could best initiate and advise on all these matters with some controlling power in the interest of the whole, I am not satisfied that their actual administration should be left to the central authority, since, as already mentioned, decentralisation is equally, if not more important, in the case of unduly large areas, more particularly as the whole essence of English local government is to utilise voluntary local aid in furthering the interest and happiness of individual communities, which in the metropolis are so numerous. It would therefore seem essential that municipal boroughs with much greater powers than those already existing in London, and possibly with even greater powers than those of the extra-metropolitan districts, should be formed with the least possible interference with local administration. The creation of more efficient authorities would be by the amalgamation of various boroughs, urban or rural districts, somewhat on the basis of the present parliamentary areas as recently amended. If such areas could be practically self-governing authorities with the status of a municipal corporation, looking for guidance and assistance when necessary from the Greater London authority, a scheme might

be evolved which would ultimately lead to economy, and would not eliminate the local interest which is the backbone of local government.

One is tempted to enlarge on this subject and other matters mentioned in the Paper, but I have endeavoured to confine my remarks to matters with which my professional duties have been for so long associated. Although interested in every detail, there are so many others who will wish to join in the discussion that I refrain from further comment, except to mention a slight oversight of Mr. Davidge's under heading "6. Building Control," where he mentions that outside the London county "only structures which are dangerous to the public can be dealt with." This is not quite a fact, since every municipal surveyor is authorised by the Towns Improvement Clauses Act to deal immediately with all structures which may be dangerous to "adjoining occupiers" in addition to "the public."

Mr. DAVIDGE, in reply, said that the many points which had been made in the discussion might be summed up shortly under two heads: first of all, that a comprehensive plan for the development of Greater London must be prepared, and secondly, that there must be a central co-ordinating authority of some sort. Again, he thought Mr. Willis had summed up another important corollary, and that was that the local interest which was the backbone of local government must, in some way or other, be maintained. Broadly speaking, that was the whole gist of the matter.

He was sorry that Viscount Ullswater and other members of the Royal Commission who were present at the reading of the Paper were not present that evening. The discussion all the way through had been very representative, and he was greatly obliged to all who had spoken, whether for or against the particular line of thought which he himself had followed. He was particularly indebted to Sir Edgar Harper who had proposed the vote of thanks on the last occasion, and whose work in connection with London was so well known to all the members of The Institution. Sir Edgar had pointed out, quite correctly, that the rate of

increase of population of Greater London had been slowing down for the last twenty years. There was a point, however, in connection with that which ought to be mentioned, namely, that the only statistics available were those for the Metropolitan Police District, which had long since been passed in the general outward movement of the population. One had only to see the evening trains going to Southend, to High Wycombe, to Gerrard's Cross, and to Brighton, to realise that the statistics for the Metropolitan Police District did not represent the whole of London.

If the statistics for the police district showed that the increase in population during the last two ten-year periods had not been so vast as had previously been the case, it merely indicated that the population was moving more widely afield. The area laid down by the Electricity Commissioners for the London and Home Counties Electricity Authority extended from Gravesend to Slough, and from Guildford to Welwyn, roughly 20 to 25 miles from the centre, with occasional excrescences going out to something like 30 miles. Sir Edgar Harper had pointed out the large number of street improvements which had been made by the London County Council and their predecessor the Metropolitan Board of Works. The cutting of new streets in the inner area was an enormously costly business, and to avoid a repetition of that very considerable expense it was necessary to lose no time in seeing that it would not have to be repeated in areas which were at present open. In that connection a central authority would be most useful.

Mr. Corderoy had referred to his Paper as "a most provocative one." It was meant to be provocative as far as provoking discussion was concerned, and he thought from that point of view it had been successful. Mr. Corderoy had rather queried the figures given in the Paper with regard to the speed of tube railways, and he had mentioned one case to show that the Underground could do better. He agreed that in one or two cases such as Ealing there had been an improvement, but even there the average speed did not exceed 20 miles an hour, and there were far too many stops.

Mr. Corderoy and other speakers appeared to be in favour

of a large scheme of decentralisation rather than centralisation. Personally he was quite in agreement that whatever services could be decentralised should be decentralised, but when all possible had been done in that direction, it would still be found that a number of things had to be dealt with by a central co-ordinating authority. Whatever form that central authority took, it should be a co-ordinating authority and confine itself to main principles, avoiding administrative details as much as possible.

Mr. Potter quite frankly put forward the position of one particular district which was at present most favourably placed with regard to rates. Most people, however, objected to any talk of equalisation of rating, even if it were not a question of equalisation over the whole of London but of equalisation between, say, Hendon and certain other parts of the same county. The ordinary inhabitant of the areas outside London was not against a central authority for London, but he naturally wanted to safeguard his own pocket as long as he could. He did not blame anyone who took that attitude. He himself was a Middlesex man, who had been brought up in Surrey, and who had lived a good many years in Kent.

Mr. Woodward, who spoke on the previous occasion, had referred to the Paper which he (Mr. Woodward) had written in 1886. Personally he had read that Paper from end to end, and it struck him as one of the boldest Papers on London he had ever read. It did not deal with Greater London, it was true, but even at that date its author proposed to rebuild nearly the whole of Central London! Certain suggestions which were made in that early Paper had been carried into effect—Kingsway, and the entrance to the Mall and St. James's Park, for example. He was glad those two suggestions had been carried out, but he was equally glad that a third suggestion which Mr. Woodward made, namely, to remove St. Margaret's Church and clear up Parliament Square generally, had not been carried out. Mr. Woodward's Paper was a very interesting one, and he had passed it on to a committee of the London Society, which was now considering it.

He was very glad to have had the advantage of Mr. Hume's presence that evening and of hearing him explain so clearly the attitude of the London County Council. From what appeared in the Press one would almost think the London County Council were out for all that they could get, but Mr. Hume had clearly shown that the Council were in the position of putting all their cards on the table, and had quite frankly expressed their wish to place themselves wholly in the hands of the Royal Commission. He thought such an attitude was almost unprecedented. Never in the history of this country had there been a municipality which had placed itself frankly in the hands of an outside body such as a Royal Commission. It was a most unusual attitude to adopt; it was almost too good to be true, and perhaps that was really why the local authorities looked a little askance at it.

Mr. Elgood had summed up the Paper as one which set forth the absolute and immediate necessity of a plan for the future development of London. He quite agreed that that was the first essential, and it was the thing nearest at hand, a thing which could be done without waiting for any reports. Secondly, Mr. Elgood had said that what was needed was a new authority, covering a larger area than that of the London County Council, and having power to deal with certain subjects common to the whole district. He quite agreed that those were the two main points, and he particularly wished to emphasise the valuable suggestion that local authorities had already power, by joint action, to do a good many of the things which could be done by the central authority. The local authorities acting together could not do quite all which a central authority could do, but personally he would like to see them begin at once. He would like to see groups of local authorities formed with a view to putting into effect their town planning powers. He saw no reason why they should not so combine and every reason why they should. In any group of local authorities which was formed for town planning purposes it was clear that the greatest town planning authority of all, the London County Council, must be represented.

When one came to such questions as bridges, which involved extraordinary expense, especially when not situated in the central area, some authority had to be found with a large enough area to stand what he might term the "overhead charges." If that were undertaken by a group of authorities, it was right and proper, he thought, that the London County Council should, at any rate, be one of the members of any such group.

Mr. Hunt had made a valuable addition to the discussion. The immense amount of knowledge which Mr. Hunt possessed naturally enabled him to give his facts clearly, and also to state in a few words the gist of a large number of phases of the subject, on which he was an authority.

Mr. Leaning had touched upon a number of points, particularly those connected with transit. The points that he personally would like to emphasise were that London was different from other cities in that it had the Crown and the old City Corporation. Both were valuable possessions. The Crown served to remind people that London was, after all, the capital of the Empire. London was not only the home of seven millions of people; it was the city to which the whole of the English-speaking races, whether in America, Australia, New Zealand, or South Africa, looked as their home. London, after all, was something more than a mere possession of a few people. The City Corporation itself, apart from any mere monetary grants, valuable as they were, served to remind people of the continuity of the wonderful city in which they lived. Everyone would be sorry to lose the delightful and quaint old ceremonies which took place in the City, and he hoped that somehow or other it would be possible to find a place for them in any new authority. He hoped that the quaint old ceremonies, and that really delightful side of London which had charmed all Londoners in their boyhood, and which still charmed them, would be continued, and that as far as possible the hospitality of the City would become really the hospitality of London as a whole.

Mr. Leaning had also mentioned another point, that for railway purposes a plan had been demanded sixty years ago.

It was nearly time that that plan was finished. Whatever happened, some authority should be responsible for London's railways. That pointed to the need for a traffic authority of some sort. He hoped that all those things which required supervision and co-ordination in a large area would before long be under one authority; but if they were not, there would in any case have to be a traffic authority and a town planning authority. Whatever happened, there must be a plan on which to work for each and all of the public services.

Mr. Cubitt gave a list of the problems surveyors had to deal with streets, building, sanitation, and rating. That boiled down to practically everything one saw, certain things such as drains which one could not see, and certain things such as rating which one could not see but which one could feel. The surveyors' profession, in other words, dealt with all the senses. He was not sure Mr. Cubitt was right as to boroughs being formed by grouping electoral divisions; he was under the impression it was the other way round. If a precedent were needed, however, for dividing up the area, he would find it in the seven parliamentary boroughs into which the present county of London was divided from 1832 to 1855. Mr. Cubitt was absolutely right when he said that larger authorities meant better results.

Mr. Spensley had reminded him of what he had said about the cost of tube stations. One or two people had challenged his suggestion that tube stations were responsible for three-quarters of the cost of tube railways, but he had made that statement on no less an authority than that of Sir Maurice FitzMaurice. There were quite a number of other statements to the same effect. He did not think it was quite a quarter of a mile from the bottom of the lift to the train, but he agreed that it seemed like it.

Mr. Farnham, speaking as one of the surveyors of an Outer London district, had taken a very broad view. This was one which would be shared by the surveyors of all the local authorities round London, if they only dared to say so. They realised the inconveniences they were up against.

They knew the cost of running two sewage disposal works when one would do all the work. Indeed, it was not a case of two; in the London area there were eighty such disposal works connected with sewage. There were also a number of refuse destructors burning away the refuse from each little district. There were many, many cases of overlapping, and co-ordination was required. Mr. Farnham had also reminded the meeting that all sorts of anomalies existed, due to want of control of transport facilities, and so on. Mr. Willis, who was surveyor to an important local authority, had also emphasised the same point of view. It was remarkable that such a view should be taken by practically all officials of local authorities both in the centre and in the outer areas. They knew better than anyone else what difficulties they were up against, and they could speak without any feeling of local politics or prejudice.

There had been a good discussion, and he was glad it had not all gone one way. It had been representative of the real feeling not only in the profession, but throughout Greater London. He was very much obliged to the members for the reception they had given the Paper, and he was particularly grateful to those who had spoken, and to all who had listened so patiently to the various views which had been expressed on a great number of subjects connected with the mighty city to which they were all proud to belong.

The PRESIDENT said all members were deeply grateful to the author for having brought before them so important a subject, and for having dealt with it in so informative a way. He had not tried to enforce on the members any particular view, but had given them an immense amount of information which would enable them to form their own opinions and possibly to use those opinions in such a way as to achieve the end which the author, and indeed everyone present, had in view—the better government of the great city in which they lived.

For his own part he regretted that the Lord Mayor was not the head of the whole big area. If the Corporation

itself were to launch a scheme and place themselves at the disposal of the Royal Commission in the same way that the London County Council had done, a very considerable advance might be made.

The thing to be aimed at was to have, for all things absolutely essential, one governing authority, and with regard to matters of detail, or which related to particular neighbourhoods, subsidiary authorities. He could not imagine himself ever going into ecstasies over the borough of St. Pancras or the borough of Marylebone, but he could do so over a Greater London, and he thought the Corporation ought to extend its wings, so to speak, over some such area as had been delineated in the Paper. That, he thought, was what everyone wished for. Let there be smaller local authorities dealing with minor matters; but for general matters in which all were concerned, let them look up to one general authority.

The thanks of The Institution were due to the author for provoking so interesting a discussion. He might add that Mr. Davidge was to be a member of the Committee which the Council had set up, so that that Committee would have the advantage of his great knowledge in the recommendations they were to make to the Royal Commission.

The meeting then terminated.

PAPER 467.

ANALYSIS OF BUILDING COSTS.

By B. Price Davies (Fellow).

To be read at the Ordinary General Meeting of The Surveyors' Institution, on Monday, 6th March, 1922.

I.

During a previous session this subject was suggested as one likely to arouse discussion, and with the memories of the past two years still fresh in my mind—years devoted to housing and conferences with chosen builders on this very subject—I very fervently agree that it is provocative of much discussion.

The reason that it is so is not far to seek, for building costs are

“ . . . as variable as the shade
By the light quivering aspen made,”

and are influenced by many unreliable factors, the human factor being by no means the least. To enumerate a few one may mention the following:—Climatic conditions, waste, breakages, age and condition of stocks, accidents, efficiency of administration, strikes (direct and indirect), availability of supplies, fluctuating prices, and output. The last mentioned may be regarded as one of the most important, and the percentages and figures which are given later will illustrate this point. On the other hand, it is not wise to regard this as the only one worthy of serious consideration, for administration and most of the other factors referred to count for a great deal and more or less influence the output.

The following table gives comparative examples of output in connection with the erection of parlour type houses under the housing schemes. A, B, C and D represent four men who undertake very similar tasks, and they in their

turn engage employees to enable them to execute such work. A, B, C and D are responsible for the control of the work, and are open to lose or gain by the results of their individual administration, while the men they employ are responsible for the actual output.

TRADES.	A.	B.	C.	D.
	Hours.	Hours.	Hours.	Hours.
Bricklayers	435	385	573	787
Carpenters and Joiners	346	417	472	944
Plumbers	84	118	128	121
Slaters and Plasterers	328	332	337	232
Glaziers and Painters	223	140	148	178
Total Skilled	1,416	1,392	1,658	2,262
Labourers, Unskilled	856	1,214	989	1,360
Total hours	2,272	2,606	2,647	3,622

An examination of the aggregate reveals that A and his employees have done best, B and C are practically equal, while D has exceeded A in man-hours by over 50 per cent. A further examination of the detailed figures, even when comparing B and C, does not indicate entire harmony; the detailed figures being variable although the tasks are similar.

It might be expected that the average of these four men would be an infallible guide for estimating such a task, but I have averaged a number of builders in batches of ten, and have found considerable differences in the averages.

II.

An effort has been made during recent years to allocate definite percentages for the respective trades, but this is suitable only for very approximate calculations which are

often unreliable. The next table indicates how these percentages may vary by reason of very simple and natural causes. The average of one of the batches of ten previously mentioned has been used.

LABOUR ANALYSIS IN PERCENTAGES FOR HOUSE ERECTION.

TRADE.	A. Percentage of Hours, including making Joinery.	B. Percentage of Hours, excluding making Joinery.	C. Percentage of £ s. d. with rates for Skilled Labour at 2s. 4d. and Unskilled Labour at 2s. 1d. per hour.	D. Percentage of £ s. d. with rates for Skilled Labour at 10d. and Unskilled Labour at 7d. per hour.
Bricklayers	15·8	17·7	18·5	20·2
Carpenters and Joiners ...	26·2	17·2	18·0	19·6
Plumbers	4·6	5·2	5·4	5·9
Slaters and Plasterers ...	10·6	11·9	12·4	13·5
Glaziers and Painters ...	6·5	7·2	7·6	8·3
Total Skilled Labour	63·7	59·2	61·9	67·5
Labourers, Unskilled ...	36·3	40·8	38·1	32·5
Total ...	100·0	100·0	100·0	100·0

Column B gives the basic averages, which do not allow for making joinery, and gives the percentages of man-hours, monetary value being ignored. Column A also gives the averages of man-hours, but these allow for making joinery, and the percentages differ considerably from those of B. Columns C and D introduce monetary percentages based upon the percentages of B. In comparing them with B it will be found that they are not the same as B, and the varying rate between skilled and unskilled labour accounts for the change.

The percentages of C have been worked out on the basis

of the highest post-war rates, while those of D are worked out from pre-war rates, and here, again, they stubbornly refuse identical results.

From the foregoing remarks I do not desire to convey the impression that analysis of building costs is altogether unreliable, and that estimating is therefore naturally in the same category. I have made use of its variable results in order to give some statistics, and to show some of its complications and the need of individual analysis.

For from thorough analysis we can found a fairly sound synthesis, in the same way that a man can make for success by analysing his experiences—sorting out the good and bad results for the sake of future experiences.

III.

The next table shows how individual analysis reveals the necessity of individual estimates.

Some local authorities found themselves with numerous housing contracts, and the preparation of monthly certificates in respect of, say, 50 contracts, was no small matter.

In preference, therefore, to measuring up each contract monthly, the stage system was often adopted.

The following table indicates how three such "stage" valuations can vary, the values being arrived at from priced bills of quantities for the brick houses and from costs for the concrete houses. A represents a parlour type brick house priced two years ago, B a non-parlour brick house a twelvemonth later, and C a special construction (concrete) parlour house of a recent date. The stages of the last are not taken as frequently as those of the brick houses. Here, again, the percentage will vary by inclusion and exclusion of items in comparative stages.

A is reminiscent of days when one was fortunate if the steel casements arrived in time to fix before the second coat of plastering was applied, while B, on the other hand, provides for fixing wooden casements as the brickwork proceeded. The first stages of both purposely indicate the dangers of incorrectly priced bills—A being priced too low, and B priced too high. B also includes for a greater

quantity of brickwork in foundations than might actually be the case, and this is another danger of the "stage" system.

Stage No.	STAGE. Description.	A.		B.		C.	
		Per cent. per stage.	Per cent. inclusive of previous stages.	Per cent. per stage.	Per cent. inclusive of previous stages.	Per cent. per stage.	Per cent. inclusive of previous stages.
1	Excavation and Concrete	1·7	1·7	2·9	2·9	—	—
2	D. P. C. Level	2·2	3·9	3·5	6·4	5·0	5·0
3	Ground Floor Cill Level	6·1	10·0	5·4	11·8	—	—
4	First Floor Level	12·2	22·2	10·6	22·4	22·5	27·5
5	Ready for Roof	11·1	33·3	15·2	37·6	—	—
6	Roofed ...	12·3	45·6	11·1	48·7	33·7	61·2
7	First Coat of Plastering	12·7	58·3	15·1	63·8	7·5	68·7
8	Second ditto ...	21·8	80·1	14·7	78·5	11·9	80·6
9	Painted ...	14·3	94·4	16·0	94·5	—	—
10	Completed ...	5·6	100·0	5·5	100·0	19·4	100·0
		100·0		100·0		100·0	

IV.

I shall now deal with the analysis of building costs from another and more familiar point of view, though space will permit me to deal with one item only.

I have selected a cubic yard of stock brickwork, and this again reflects the variable nature of the subject.

At a conference one will hear experienced builders arguing as to the number of bricks and the quantity of mortar in a

given volume of brickwork, and they are equally positive (though apparently inconsistent), for they have taken careful records of work while being actually carried out.

To state that a cubic yard of brickwork takes a certain number of bricks and a certain quantity of mortar is misleading and unreliable unless qualified with further information. The next table will illustrate this point, and I have taken two sizes of bricks, the larger one being the general size in my district (Cardiff), while the smaller brick may be of a size in more general use in some other parts of the country. Our builders like big bricks, and not without cause. I have also taken three mortar alternatives, the first being for bricks without frogs, the second for bricks with only one frog, and the third for double-frogged bricks.

It will be seen that the quantity of mortar varies considerably, the frogged brick taking considerably more mortar than the one without. It may be mentioned in parenthesis that the depths of the frogs are assumed to be three-eighths of an inch, and for bricks with deeper frogs (some are half an inch deep) a still greater quantity of mortar is required.

Two sizes of joints only are taken, and I have left out the more general $\frac{3}{8}$ -in. joint, making use of $\frac{1}{4}$ -in. and $\frac{1}{2}$ -in. joints in order to make a more rapid comparison.

The monetary cost values have been worked out at the same basic rates, and these are given in italics underneath the mortar alternatives which respectively influence them.

It will be seen that the results are variable, and that the extremes of the monetary values are 40*s.* 2*d.* and 52*s.* 7*d.* per cube yard, while if overhead charges and profit are added, the difference would be still greater.

ALLOWING FOR 1 BRICKLAYER AND 1 LABOURER LAYING
75 BRICKS PER HOUR.

PER YARD CUBE OF BRICKWORK.

Sizes of Bricks and thickness of Joints.	No. of Bricks per cubic yard.	Mortar Alternatives.			1 Bricklayer and 1 Labourer.
		For Bricks without Frogs.	For Bricks with 1 Frog.	For Bricks with Double Frogs.	
(A) $8\frac{3}{4}$ in. $\times$ $4\frac{1}{4}$ in. $\times$ $2\frac{3}{4}$ in. with $\frac{1}{4}$ -in. Joints	386	C. Yds. ·157 50/6	C. Yds. ·207 51/6	C. Yds. ·257 52/7	Hours. 5·15
(B) Ditto with $\frac{1}{2}$ -in. ditto ...	338	·263 46/9	·307 47/8	·350 48/6	4·51
(C) 9 in. $\times$ $4\frac{1}{2}$ in. $\times$ 3 in. with $\frac{1}{4}$ -in. Joints	327	·148 43/2	·191 44/-	·233 44/11	4·36
(D) Ditto with $\frac{1}{2}$ -in. ditto. ...	285	·259 40/2	·296 40/11	·333 41/8	3·80

It will be seen from the table that the small-sized brick requires more mortar and labour than the larger one, while it is also observed that the larger the size of the joint, the fewer the number of bricks and the greater the quantity of mortar.

There will be one section of The Institution which will not be overdelighted to hear this, namely, the candidates for the Final Examination in Quantities. I feel that they will think of me with a regard akin to that which I had in my earlier student days (and to some degree still retain) for the person who, in an ill-starred moment for all building students, decided to give various sizes of roofing slates various names. How many times did I memorise them for exams.—and forgot them immediately afterwards! So with this memory still with me, and also in order to further the fell purpose of provoking discussion, I suggest that The Institution should provide these candidates with estimating tables in the way that valuation tables are provided.

But to return to my subject, and particularly brickwork, I should point out that the analysis of this item is still incomplete.

I have taken only two sizes of bricks, while it can be pointed out that 9-inch brickwork takes less mortar per cube quantity than walls of greater thickness, and that 11-inch cavity brickwork and $4\frac{1}{2}$ -inch brickwork take still less than 9 inches.

I have not analysed the labours, for I have assumed that a bricklayer and labourer will lay 75 bricks per hour, or 600 per eight-hour day. The greater the quantity of mortar per given cube the greater the time to mix, carry and spread it. The type of bond employed is also an important factor, for some bonds have a greater percentage of heading bricks than others, and in fairly narrow walls this counts for a great deal; headers take more time to lay than stretchers. The mention of bond, headers and stretchers brings me to facing work, and, to be brief, it can be pointed out that a yard super of facing work (single face) built with $8\frac{3}{4}$ -inch $\times$ $4\frac{1}{4}$ -inch $\times$ $2\frac{3}{4}$ -inch bricks with $\frac{3}{8}$ -inch joints in English bond requires 69 bricks, Flemish bond 62, English garden-wall bond 58, and Flemish garden-wall bond 53. It is fairly obvious that to deal with items of all trades in this manner is beyond the scope of this Paper, and would be a repetition of data which appears in a book I have recently published.*

Before leaving this portion of my Paper I will venture to make the following suggestions, viz. :—

- (a) That naming of various sizes of slates be discontinued. The classification in sizes is far more explicit and does not unnecessarily tax the memory;
- (b) That the sooner the standard system of quantities is ready the better, although it is not advisable to deal with this problem in too hasty a manner and thereby cause trouble later. Analysis and synthesis of building costs will probably develop on more scientific lines when the whole country is able to

* *The Building Estimator.*

discuss them on the common footing which such a system will provide ;

- (c) That old systems of construction which are now replaced by modern methods should be deleted from our text-books and syllabuses of examinations. While they appear there it seems to follow that they must be considered in estimating, and the building student wastes his time on these items while he would be more profitably employed on more progressive themes. I mention the trussed partition as an example of construction which has dropped out of favour since the coming of the rolled steel joist.
- (d) That the bushel as a measure of volume for building work be discarded, and be replaced by the cube foot or cube yard. Analysis of costs of mortars and concretes would be simpler without it.

V.

For the remainder of this Paper I will endeavour to deal with my subject on broader lines, which have a more far-reaching significance. Since my return to civil life my experiences have been connected with Government housing, and my data has been largely garnered from numerous housing contracts and direct labour schemes. In view of this, and also that this type of building is now universally known, I propose to analyse the costs of a semi-detached house of the parlour type, built under conditions laid down by the Ministry of Health.

In these days of fluctuations monetary values are of transient significance, and primarily in view of this I am going to assume that the house is worth 10,000 units. This basis has several advantages. If the monetary value of the house, when building was reaching its highest figure, was £1,000, then any units are easily transformed to money values by removing the decimal point one place. For instance, if an analysis throws out a value to be 543 units, this can be read as £54·3.

If it is desired to convert these units to percentages, this is again easily done by removing the decimal point two places, and 543 units would become 5.43 per cent.

Again, we can quite reasonably assume that the rate for skilled men was 2*s.* 2*d.* per hour, and for unskilled men 1*s.* 10½*d.* per hour, and that the resultant average price of labour per working hour per man was 2*s.*, when the cost of the house was £1,000. This one man's working hour can therefore be taken as of 1 unit value. Taking the figure thrown out by analysis again as a value of 543 units, and that such value represents a cost of labour, then this can be transcribed into 543 working hours for one man.

In the analysis which follows, the endeavour is made to resolve ultimately the units under two headings. The first heading will be for units of cost based upon man's earning power or work, and is termed "Labour." This is not confined to manual workers, but includes all classes of workers whether labourer or employer, and this in all types of industry.

The second heading will absorb all the units of cost based upon the earning power of money, and this is termed "Profit." When the cost of the erection of a house or other building is discussed, the three chief elements of the discussion will be labour, materials, and profit. A person will state that the labour cost in the erection of a house is only one-third, the profit one-twentieth, and that its total cost is influenced much more by the cost of materials. Consideration is not often given to the fact that materials in their turn resolve themselves into the other two elements, and this is the task I have undertaken. To achieve this I must acknowledge my indebtedness to the principals of the numerous industries who have gone to the trouble of giving the analysis of costs of the various materials. In this type of analysis one is forcibly reminded of the moral contained in the following verse:—

"Great fleas have little fleas
Upon their backs to bite 'em ;
And little fleas have lesser fleas,
And so *ad infinitum*."

We find that the second analysis throws out numerous

classes of building materials for further analysis, and that the third throws out another lot, and so "*ad infinitum*."

At the end of the third analysis I have resolved the units yet to be analysed in the proportion of the ones already resolved into units of labour and profit.

An average of 5 per cent. profit has been taken throughout, and it must be borne in mind that this is a percentage of the turnover, and not on capital. For instance, if a man had a capital of £100 and an annual turnover of £300, a profit of 5 per cent. on his turnover would mean 15 per cent. on his capital. It is also emphasised that this 5 per cent. "profit" does not include any overhead charges; it is the clear net profit when *all salaries* have been paid.

		Per-centage.	UNITS.		
			Labour.	Profit.	For further analysis.
FIRST ANALYSIS.					
(A) <i>Labour</i>	... 3,000·0 units	30·0			
(B) <i>Materials</i>	... 6,500·0 „	65·0			
(C) <i>Profit</i>	... 500·0 „	5·0		500·0	
10,000·0 units		100·0			
SECOND ANALYSIS.					
(A) <i>Labour</i> :—					
1. Excavators and General Labourers	... ..	36·6	1,100		
2. Bricklayers	... ..	16·0	480		
3. Slaters	... ..	1·7	50		
4. Carpenters and Joiners	... ..	15·7	470		
5. Plasterers	... ..	9·0	270		
6. Plumbers and Gasfitters	... ..	4·7	140		
7. Painters and Decorators	... ..	6·3	190		
8. Glaziers	... ..	·3	10		
9. Watchman	... ..	2·3	70		
10. Foreman and Timekeeper	... ..	3·7	110		
11. Builder and Clerk...	... ..	3·7	110		
		100·0	3,000		
Carried forward		...	3,000	500·0	

	Per- centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		3,000	500·0	
(B) <i>Materials</i> :—				
1. Aggregates, costing Trans- port only :				
1 (a) Ashes ...	1·2			80·0
1 (b) Coke Breeze ...	·2			10·0
1 (c) Sand ...	·9			60·0
2. Bricks ...	17·7			1,150·0
3. Brick Sundries ...	·9			60·0
4. Cement ...	3·1			200·0
5. Crushed Limestone :				
5 (a) 2-in. Crushed Stone	·6			40·0
5 (b) ½-in. Chippings ...	·3			20·0
6. Chippings, Granite ...	·5			30·0
7. Coal ...	·3			20·0
8. Concrete Materials ...	2·5			160·0
9. Damp-proof Course ...	·5			30·0
10. Drain Pipes ...	1·8			120·0
11. Gas Fittings ...	·9			60·0
12. Glass ...	·7			45·0
13. Grates and Ranges ...	2·6			170·0
14. Gutters and Down-pipes ...	1·8			120·0
15. Hardware Goods (larger items) ...	4·5			290·0
16. Ironmongery ...	1·1			70·0
17. Joinery ...	15·4			1,000·0
18. Lead ...	3·1			200·0
19. Lime, Brown Lump ...	·9			60·0
20. do. do. Ground	·5			30·0
21. do. White ...	·6			40·0
22. Locks and Fastenings ...	·8			55·0
23. Paint Materials ...	·9			60·0
24. Plant ...	1·5			100·0
25. Sanitary Ware ...	·9			60·0
26. Slates, Roofing ...	12·3			800·0
27. Slate Mantles, Enamelled	·5			30·0
28. Steel, Reinforcement ...	·3			20·0
29. Sundries, Rates, &c. ...	1·5			100·0
30. Timber ...	13·9			900·0
31. Transport. Road (Horse)...	4·0			260·0
32. Water Fittings ...	·8			50·0
Totals ...	100·0			6,500·0
Carried forward ...		3,000	500·0	

	Per-centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		3,000·0	500·0	
THIRD ANALYSIS.				
1. <i>Aggregates</i> , costing Transport only :—				
1 (a) Ashes 80·0 units.				
1 (b) Coke				
Breeze 10·0 „				
1 (c) Sand ... 60·0 „				
150·0 units.				
Road Transport (Motor) :				
Labour	40·0	60·0		
Fuel... ..	18·0			27·0
Plant	29·0			43·5
Sundries	8·0			12·0
Profit	5·0		7·5	
	100·0			
2. <i>Bricks</i> (1,150 units) :—				
Labour... ..	50·0	575·0		
Coal	20·0			230·0
Oil and Sundries	4·0			46·0
Road Transport (Motor)	15·0			172·5
Plant	5·0			57·5
Royalty	1·0		11·5	
Profit	5·0		57·5	
	100·0			
3. <i>Brick Sundries</i> (Air Bricks, Ridge Tiles, Chimney Pots) (60 units) :—				
Labour... ..	60·0	36·0		
Coal	9·0			5·4
Oil and Sundries	4·0			2·4
Rail Transport	15·0			9·0
Plant	7·0			4·2
Profit	5·0		3·0	
	100·0			
Carried forward ...		3,671·0	579·5	609·5

	Per- centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		3,671·0	579·5	609·5
4. <i>Cement</i> (200 units):—				
Labour	36·0	72·0		
Coal	20·0			40·0
Oils and Sundries	8·0			16·0
Road Transport (Motor)	10·0			20·0
Rail do.	5·0			10·0
Plant	15·0			30·0
Royalty	1·0		2·0	
Profit	5·0		10·0	
	100·0			
5. <i>Crushed Limestone</i> :—				
5 (a) 2-in. Crushed Stone	40·0			
5 (b) ½-in. Chippings	20·0			
	60·0			
Labour	50·0	30·0		
Coal	3·0			1·8
Road Transport (Motor)	30·0			18·0
Plant	7·0			4·2
Rates and Sundries	4·0			2·4
Royalties	1·0		·6	
Profit	5·0		3·0	
	100·0			
6. <i>Chippings (Granite)</i> (30 units):—				
Labour	50·0	15·0		
Coal	3·0			·9
Rail Transport	30·0			9·0
Plant	7·0			2·1
Rates and Sundries	5·0			1·5
Profit	5·0		1·5	
	100·0			
Carried forward ...		3,788·0	596·6	765·4

	Per- centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		3,788·0	596·6	765·4
7. <i>Coal</i> (20 units) :—				
Labour—				
(a) Direct Local ...	72·0			
(b) Indirect Local ...	7·0			
(c) Other than above ...	10·0			
	89·0	17·8		
Rates and Sundries ...	4·0			·8
Royalties ...	2·0		·4	
Profit ...	5·0		1·0	
	100·0			
8. <i>Concrete Materials</i> (Fence Posts, Hoods and Corbels, Parti- tion Slabs) (160 units) :—				
Labour ...	40·0	64·0		
Cement ...	20·0			32·0
Sand ...	3·0			4·8
Pea Gravel ...	8·0			12·8
Coke Breeze ...	1·0			1·6
Steel ...	9·0			14·4
Coal ...	1·0			1·6
Timber... ..	2·0			3·2
Oil and Sundries ...	6·0			9·6
Road Transport (Motor) ...	5·0			8·0
Profit ...	5·0		8·0	
	100·0			
9. <i>Damp-Proof Course</i> (<i>Bitumen</i>) (30 units) :—				
Labour ...	20·0	6·0		
Materials ...	52·0			15·6
Coal ...	3·0			·9
Plant ...	6·0			1·8
Sundries ...	4·0			1·2
Rail Transport ...	10·0			3·0
Profit ...	5·0		1·5	
	100·0			
Carried forward ...		3,875·8	607·5	876·7

	Per-centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		3,875·8	607·5	876·7
10. <i>Drain Pipes</i> (120 units) :—				
Labour... ..	60·0	72·0		
Coal	9·0			10·8
Oil and Sundries	4·0			4·8
Rail Transport	15·0			18·0
Plant	7·0			8·4
Profit	5·0		6·0	
	100·0			
11. <i>Gas Fittings</i> (60 units) :—				
Labour... ..	30·0	18·0		
Coal	12·0			7·2
Materials	33·0			19·8
Plant	12·0			7·2
Sundries	3·0			1·8
Rail Transport	5·0			3·0
Profit	5·0		3·0	
	100·0			
12. <i>Glass</i> (45 units) (analysis assumed) :—				
Labour... ..	50·0	22·5		
Materials	30·0			13·5
Rail Transport	10·0			4·5
Sundries	5·0			2·2
Profit	5·0		2·3	
	100·0			
13. <i>Grates and Ranges</i> (170 units) :—				
Labour... ..	25·0	4·25		
Materials	25·0			42·5
Coal	10·0			17·0
Rail Transport	10·0			17·0
Plant	10·0			17·0
Sundries	15·0			25·5
Profit	5·0		8·5	
	100·0			
Carried forward ...		4,030·8	627·3	1,096·9

	Per-centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		4,030·8	627·3	1,096·9
14. <i>Gutters and Down Pipes</i> (120 units):—				
Labour... ..	30·0	36·0		
Materials	20·0			24·0
Coal	10·0			12·0
Rail Transport	10·0			12·0
Plant	10·0			12·0
Sundries	15·0			18·0
Profit	5·0		6·0	
	100·0			
15. <i>Hardware Goods</i> (Copper Cylinders, Saddle Boilers, Boilers, W.C. Cisterns, Flush Pipes, Washing Coppers, Baths and Fittings for Lavatory Basis) (290 units):—				
Labour... ..	30·0	87·0		
Materials	30·0			87·0
Coal	5·0			14·5
Rail Transport	5·0			14·5
Plant	10·0			29·0
Sundries	15·0			43·5
Profit	5·0		14·5	
	100·0			
16. <i>Ironmongery</i> (Nails, Fencing Wire, Eye-bolts, Air Gratings, Hip Stays, Gutter Brackets, Wall Ties) (70 units):—				
Labour... ..	35·0	24·5		
Materials	25·0			17·5
Coal	5·0			3·5
Rail Transport	5·0			3·5
Plant	10·0			7·0
Sundries	15·0			10·5
Profit	5·0		3·5	
	100·0			
Carried forward ...		4,178·3	651·3	1,405·4

	Per-centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		4,178.3	651.3	1,405.4
17. <i>Joinery</i> (1,000 units) :—				
Labour	30.0	300.0		
Timber	40.0			400.0
Nails	4.0			40.0
Coal	2.0			20.0
Oil and Sundries	5.0			50.0
Plant	8.0			80.0
Road Transport (Motor) ...	6.0			60.0
Profit	5.0		50.0	
	100.0			
18. <i>Lead</i> (Milled, Pipe and Compo Pipe) (200 units) :—				
Labour	7.0	14.0		
Pig-lead	70.0			140.0
Coal	5.0			10.0
Rail Transport	3.0			6.0
Sundries	5.0			10.0
Plant	5.0			10.0
Profit	5.0		10.0	
	100.0			
19. <i>Lime</i> (<i>Brown Lump</i>) (60 units) :—				
Labour	46.0	27.6		
Coal	23.0			13.8
Rail Transport	21.0			12.6
Sundries	2.5			1.5
Plant	2.5			1.5
Profit	5.0		3.0	
	100.0			
20. <i>Lime</i> (<i>Ground Brown</i>) (30 units) :—				
Labour	43.0	12.9		
Coal	20.0			6.0
Rail Transport	22.0			6.6
Sundries	3.0			.9
Plant	7.0			2.1
Profit	5.0		1.5	
	100.0			
Carried forward ...		4,532.8	715.8	2,276.4

	Per- centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		4,532·8	715·8	2,276·4
21. <i>Lime, White</i> (40 units) :—				
Labour	50·0	20·0		
Coal	30·0			12·0
Plant	2·5			1·0
Rail Transport	10·0			4·0
Sundries	2·5			1·0
Profit	5·0		2·0	
	100·0			
22. <i>Locks and Fastenings</i> (55 units) :—				
Labour	50·0	27·7		
Steel	25·0			13·8
Brass	5·0			2·7
Plant	7·5			4·1
Oil and Sundries	2·5			1·3
Rail Transport	5·0			2·7
Profit	5·0		2·7	
	100·0			
23. <i>Paint Materials</i> (60 units) :—				
Labour	5·0	3·0		
Rail Transport	5·0			3·0
Materials	80·0			48·0
Plant	5·0			3·0
Profit	5·0		3·0	
	100·0			
24. <i>Plant</i> (100 units) :—				
Labour... ..	40·0	40·0		
Coal	15·0			15·0
Materials	30·0			30·0
Rail Transport	5·0			5·0
Rates and Sundries	5·0			5·0
Profit	5·0		5·0	
	100·0			
Carried forward ...		4,623·5	728·5	2,428·0

	Per-centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		4,623·5	728·5	2,428·0
25. <i>Sanitary Ware</i> (Sinks, W.C. Pans and Lavatory Basins) (60 units) :—				
Labour... ..	50·0	30·0		
Materials	25·0			15·0
Coal	10·0			6·0
Rail Transport	8·0			4·8
Rates and Sundries	2·0			1·2
Profit	5·0		3·0	
	100·0			
26. <i>Slates, Roofing</i> (800 units) :—				
Labour... ..	70·0	560·0		
Coal	3·0			24·0
Plant	5·0			40·0
Road Transport (Motor)	4·0			32·0
Rail do.	7·0			56·0
Rates and Sundries	6·0			48·0
Profit	5·0		40·0	
	100·0			
27. <i>Slate Mantles, Enamelled</i> (30 units) :—				
Labour... ..	15·0	4·5		
Slate	50·0			15·0
Enamel and Sundries	20·0			6·0
Plant	10·0			3·0
Profit	5·0		1·5	
	100·0			
28. <i>Steel Reinforcement</i> (20 units) :—				
Labour—				
(a) Local	50·0			
(b) Other than Local	40·0			
	90·0	18·0		
Rates and Sundries	4·0			·8
Royalties	1·0		·2	
Profit	5·0		1·0	
	100·0			
Carried forward ...		5,236·0	774·2	2,679·8

	Per-centage.	UNITS.		
		Labour.	Profit.	For further analysis.
Brought forward ...		5,236·0	774·2	2,679·8
29. <i>Sundries, Rates, &c.</i> (assumed) (100 units) :—				
Labour	85·0	85·0		
Materials	10·0			10·0
Profit	5·0		5·0	
	100·0			
30. <i>Timber</i> (Carcasing Timber, Mouldings, Skirtings, Shelv- ing, Flooring, Laths, and Slate Battens) (900 units) :—				
Labour	40·0	360·0		
Coal	1·0			9·0
Road Transport (Horse) ...	10·0			90·0
Rail do.	3·0			27·0
Plant	7·0			63·0
Oil and Sundries	9·0			81·0
Standing Timber	25·0			225·0
Profit	5·0		45·0	
	100·0			
31. <i>Transport, Road (Horse)</i> (260 units) :—				
Labour	50·0	130·0		
Fodder	35·0			91·0
Horse and Plant	10·0			26·0
Profit	5·0		13·0	
	100·0			
32. <i>Water Fittings</i> (50 units) :—				
Labour... ..	30·0	15·0		
Coal	12·0			6·0
Materials	33·0			16·5
Plant	12·0			6·0
Sundries	3·0			1·5
Rail Transport	5·0			2·5
Profit	5·0		2·5	
	100·0			
Totals ...		5,826·0	839·7	3,334·3

	UNITS.		
	Labour.	Profit.	For further analysis.
Ratios making up the 10,000 units at the end of the third analysis	5,826.0	839.7	3,334.3
The 3334.3 units yet to be analysed split up into units of Labour and Profit respectively in the proportion one bears to the other at the end of the third analysis ...	2,914.3	420.0	
The 10,000 units ultimately resolved into units of Labour and Profit respectively	8,740.3	1,259.7	Totals. 10,000
Percentages of ditto	87.403	12.597	100
Monetary values on the basis of £1,000 total cost	£874.03	£125.97	£1,000
Total number of hours of all occupations on the basis of 2s. (or 1 unit) per man per hour 8,740.3 man-hours			
Period of time (on the basis of a 44-hour week). It would take one man to build a house, ignoring co-operation :—	Hours.	Weeks.	Years.
(a) Erection only	3,000.0	68.2	1.3
(b) Erection and all other production	8,740.3	198.6	3.82

It will be found from an investigation of the analysis of costs of the various materials that they vary in the extent of the analysis. Taking the analysis of costs of coal, it will be observed that the firm who were kind enough to let me see these particulars had already accomplished with coal what I have set out to do with building costs. Not only had they done so with coal, but with numerous other items which rank amongst the product of their huge undertaking, and the statistics of analysis of costs in their possession are really wonderful.

The broader the scope of the firm, the greater does the percentage of labour become in their returns. A firm which produces coal, castings, steel, bricks, and provides its own rail transport, becomes very self-contained, for one class of material is necessary to produce the other.

What would rank with a firm producing one class of material as a sub-heading of "Materials" would rank with a larger and more self-contained firm as "Labour."

It will also be observed that if this system of analysis is followed up to the ultimate end, and the rate of 2s. per man per hour be accepted as an average, then we could abstract the unit values of each industry and find how many hours such industry contributed of the erection of a house.

It is seen that several pages have been taken to arrive at the end of the third analysis, and after seeing the result one almost feels that an assumption that all items are roundly made up of labour 45 per cent., materials 50 per cent., and profit 5 per cent., would have brought me to the termination with far less trouble.

However, my paths have led me personally to another school of thought which space forbids me to pursue. Yet I will assert that we business-minded men who ever strain our foresight to look into the far distance may be overlooking some matters of more important significance nearer home.

Feeling only on the very threshold of my subject, I leave it, but I hope that I have said enough to stimulate discussion and comparison of experience that will serve to elucidate a matter surrounded by all kinds of difficulties.

AT

THE ORDINARY GENERAL MEETING

Held on Monday, March 6th, 1922,

A DISCUSSION took place on a Paper entitled

ANALYSIS OF BUILDING COSTS.

By B. Price Davies (Fellow).

J. H. SABIN (President) in the Chair.

The PRESIDENT said he had an announcement to make which he was sure would give pleasure to all the members. The Council had that day asked Mr. Stanley Hicks, who had served on the Council for the last twelve years as Professional Associate Member, to allow them to transfer him to the Fellowship under the powers they now possessed under the new By-laws. All who knew how thoroughly Mr. Hicks had thrown himself into the work of the Council during the past twelve years, and how ably he had represented the Professional Associates during that period, would, he was sure, welcome his transfer to the highest class of membership.

Mr. PERCIVAL F. GLEED (Fellow), who opened the discussion on the Paper, said it dealt with one particular section of building costs, being concerned only with National Housing Schemes. In those circumstances he was not surprised that the analyses the author gave greatly upset all preconceived ideas of building costs. The National Housing Scheme had upset the building trade altogether during the last two or three years.

In Section I. of his Paper the author gave an analysis of the cost in man-hours experienced by four different con-

tracters, column D of which showed a 50 per cent. increase over the other three tabulated columns. It had occurred to him that the explanation might be that column D referred to work carried out some considerable time after that dealt with in the other columns, and he should like to ask the author whether that was the case. As housing was proceeded with throughout the country, and more and more schemes were set on foot, labour made up its mind, he thought, not to work, and that would account for the great increase in man-hours shown in column D, provided his assumption was correct that that column referred to work carried out when the whole country was overwhelmed, and indeed sick, with housing.

One generally expected to find the total cost to different contractors to be approximately the same, when all the trades concerned in building were considered. Differences in particular trades under different contractors were always observed; some contractors, for instance, were able to carry out their joinery in a better manner than others, owing to better machinery and organisation; but one expected a contractor who could not do his joinery so cheaply as a competitor to make up for that by carrying out his brickwork, plumbing or other trades more efficiently, so that in the end their total costs were alike. If that was not so, a man who could not "pull up" on some trade or trades would be left behind altogether in competition.

Section III. dealt with a method of certifying by stages. That was a very old system; there was nothing new about it. The author probably did not suggest it was a new method; it had been in use for a long time, particularly when money for the erection of a building was obtained from financiers, who wanted to know how much they had to find when the building reached a certain stage, and, approximately, when that was going to be. By the method in question one could always tell a financier how much he would be expected to find when certain stages were reached, and that was a good way of satisfying a layman.

There were two great dangers to avoid when using that method. It was dangerous to "jump" at the stages, which

was sometimes done, and which might cause great unfairness to the contractor or want of security to the financier. To avoid the other danger it was necessary for each stage clause to have a give-and-take clause, and to avoid drawing a hard-and-fast line. If a contractor were to receive a certain sum of money when he got to the first-floor level, and for some reason was unable to get the whole of the building to that level, there was no reason why, if he had done more work in other directions, he should not receive his money. There must be give and take, except, of course, in connection with the last payment, when the contractor got the balance of his money on completion.

With regard to Section IV., he quite agreed with the author's suggestion that slates might be known by their sizes rather than by their courtesy titles. There was no reason why a surveyor, if he thought fit, should not denominate slates by their measurements.

He might have sympathised with what the author said about examinations, but he did not think that mattered much now. It was true the information was "swotted up" and then promptly forgotten; but as long as one knew where to look for it, he did not think that mattered very much.

He thought he was betraying no confidence if he said that the publication of a standard system of quantities might be looked for at an early date. It was approaching completion and was being anxiously awaited. It was not to be assumed, however, that when that document was produced all surveyors were going, or were expected or intended, to follow slavishly everything it contained. Surveyors would still have to use their brains; the document would not purport to do the whole of their work for them for the rest of time.

In Section V. the author was kind to the contractors in that he credited them with being satisfied with a modest 5 per cent. profit; he evidently did not think they were profiteers. Someone, however, had evidently been profiteering: did anyone dare to suggest it was labour, which perhaps had not given a fair day's work for a fair day's pay? It was certainly not the surveyors who were

concerned in the matter. The accusation of profiteering had been thrown about from one class to another, everybody seeming to be anxious to get rid of it. Personally he was rather of the opinion that wages need never have been reduced at the present day, or for a long time to come, had production not been so greatly curtailed compared with what it was before the war. He thought labour had lost a great opportunity by their behaviour in that regard. One of the great lost opportunities was seen in the stoppage which had been experienced in the last six months throughout the building trade.

The analyses given in Section V. showed what a big portion of a total expenditure of £1,000 went to labour. The author put it somewhere about 80 per cent., taking into consideration not only the cost of construction of a building, but also the production of the materials that were employed.

It had been his privilege to hear read a most interesting Paper, and it was his pleasure to propose a hearty vote of thanks to the author for the trouble and time he must have spent in producing his tables and analyses. There was no better way of rewarding and pleasing him than by a thorough discussion of the various points raised. He begged to propose a very hearty vote of thanks to the author.

Mr. ALAN PAULL said it gave him very great pleasure to second the vote of thanks to the author for the Paper he had read that evening. Fortunately the author had youth on his side, and would thus be able to follow his bent with regard to the analyses contained in the Paper. It was commonly said that a surveyor's mind must be analytical, and with that he agreed; but it was not open to all surveyors to be able to deal with percentages in the same fluent manner as did the author throughout the whole of his Paper. The Paper that evening employed the decimal system to a very large extent, and personally he was afraid he had not yet had time to master fully the whole of the percentages the author had given.

In the first part of his Paper the author dealt with the

various matters which affected costs, and amongst those he put administration. He (the speaker) entirely agreed with that, because after all, administration in a builder's office had a great deal to do with the ultimate cost to the builder of the job he had in hand. Very different views were taken on that matter. One man would, as it were, starve his job of materials, only having the exact amount wanted, as far as he could estimate it, on the site. An old builder many years ago, however, had told him that he followed his father's example and had any amount of material on the works, so that the men could see there was plenty of stuff for them to go on with. The result of that was that he found his men were eager—he was speaking, of course, of pre-war days—to put their backs into the work, because they found there was plenty of material for them to deal with. He ventured to suggest that the contractor whose results were given in column D of the first table had adopted the first method to which he had alluded.

Further on in the Paper the author mentioned two cases in which bills were incorrectly priced, one being too low and the other too high. It had probably fallen to the lot of several of those present, as it had to his own, to find that in estimating, a builder did not always put uniformly the same percentage of profit on every item in those bills. It all depended on the class of work with which he was dealing. Personally he had known of cases where the carpentry and joinery items were priced absolutely net, but the profit the builder expected to get from his carpentry and joinery was added on to his price in the early parts of the bill—to such items, for instance, as bricklaying and excavation. When one examined the bills one saw that the price for brickwork was too high and for carpentry and joinery too low, the result being that in the early part of the job the builder got more money out of the building owner than he was really entitled to. He himself was very unwilling to say that a bill was incorrectly priced; he felt sure that in most cases there was some reason for the curious fluctuations that were found, and it was the business of the surveyor to ascertain that reason.

The author had been very thoughtful for the examinees, and appeared, on the face of it, to suggest that the examiners were too tied down to their syllabus and did not march with the times. As one of the examiners, however, he thought he might correct the author on that point by saying that he and his co-examiners did bear in mind the constant changes that were taking place, and did endeavour to frame their questions in such a way that a man's knowledge would have to be up to date to enable him to answer them. There was no need for an examinee to spend his time and energy in getting up particulars of construction which had been abandoned for some time.

The author, in his opinion, had put a perfect nightmare in front of future examinees. He suggested that the syllabus should contain the analyses he had so ably put before the meeting that evening, and that they should be used in the same way as the valuation tables. Personally he was glad his examination days were over, but he could hardly think the author really meant that; and he hoped future examinees would be spared the task of having to "get up" the whole of the analyses of building costs which were given in the Paper.

The analysis the author gave for stages revealed one curious fact, namely, a difference of 9 per cent. in the amount given to a man between the first and second coat of plastering. He presumed that was accounted for by the fact that when the second coat of plastering was put on, the iron casements were fixed; but, on the face of it, it looked rather curious that a man should be entitled to the difference between 12·7 and 21·8 per cent. between the first and second coats of plastering.

The analysis given in the Paper was vitiated, to his mind, by one fact, namely, that it dealt with only one class of building. That was a defect. Personally he was glad to say he had had no experience in Government housing schemes, but everyone, he thought, must admit that the work done under those schemes was done under exceptional circumstances and in a way which no one wanted to see applied to other building matters. In the author's first

analysis he disagreed with the percentage or number of units allotted to labour. The first analysis gave 30 per cent. for labour, 65 per cent. for materials, and 5 per cent. for profit. His own experience was that the proportions worked out at, roughly, 50 per cent. for labour and 50 per cent. for materials, and that, he thought, was well borne out by the author's statement at the end of his Paper, after he had had done all the "further analysis," as he called it, that labour accounted for 45 per cent. of the whole.

With regard to the second analysis, it would, he thought, have been better and more useful if the author could have separated excavators and general labourers. When one considered that the general labourer had to attend on all the other trades that were mentioned, the lumping together of general labourers and excavators seemed to vitiate to a large extent the percentages given with regard to unskilled labour. The author had probably put them together because he was thinking of unskilled labour, but he ventured to suggest that it would be an advantage if the author could separate those items in the second analysis and give the percentages separately.

Mention had been made in the Paper, and also by the mover of the vote of thanks, of a standard system of measuring quantities which was approaching completion at the present time. He ventured to suggest to the author, however, that even when that was finished and available it would not be of great assistance to him in the analysis he had so carefully worked out, because it was intended to be a guide to the surveyor who had to give to a builder the quantities to be used in the various types of building. To a certain extent it would assist estimators to base their prices on given data more accurately than had hitherto been the case, but, after all, it would not affect an analysis of the cost of labour and material, and he did not think the author's point would be much helped by it.

The Paper was one which gave great food for thought. If he might be so bold, he would like to suggest to the author that he should get away from housing schemes, which were now as dead as a door nail. No surveyor, he

thought, would have any more parlour or non-parlour types of houses to deal with, but the question of ordinary costs in ordinary types of buildings remained, and if the author felt inclined to burn more midnight oil in getting out tables in connection with building work generally, he would deserve the heartiest thanks of all surveyors.

He had much pleasure in seconding a hearty vote of thanks to the author for his Paper.

Mr. GEORGE STEPHENSON (Fellow) said he had great pleasure in rising to support the vote of thanks to the author for his Paper, and for the wonderful analyses of prices it contained. One could not quite see how those analyses were going to be of any great practical value to surveyors generally, and he hoped the members would not try to memorise them, but there were undoubtedly certain cases where they would be useful for reference.

The incidence of building costs at the present time was so different from what it was likely to be in the future, and from what it had been in the past, that it was rather difficult to deal with the whole subject. It was probably intended, however, that those who took part in the discussion should say something about their own experiences with regard to costs. It was well known, of course, that for a long time past public bodies, and especially Government departments, had used analyses of prices for various purposes, particularly with a view to ascertaining the difference between the cost of materials and labour. But one had to remember what the author had said, namely, that what were called "materials" had a great deal of labour attached to them, and in many cases were nearly all labour.

A good many things which affected the cost of building were not mentioned in the Paper, but one which should be remembered was the situation of the site. In the case of some sites—more especially those in the country—carting and lorrying might be very expensive, and might make the cost of excavation and the carting of materials much more expensive than would be the case were the site in the proximity of a railway station. Also, as Mr. Paull had

very properly pointed out, the class of work had a great deal to do with it. In none of the analyses given in the Paper, for example, was there mention of a mason.

National housing schemes had undoubtedly occupied a great deal of attention on the part of everyone concerned, but what had happened with regard to them had made him wonder whether what had been said in a discussion at the Society of Architects did not also apply to surveyors, as well as to architects, builders and workmen; were not they all more or less responsible for the bad pricing or costing of the buildings? He had a case in mind where the estimate for a house of the non-parlour type was £900, and for a parlour house £1,000. Without destroying the salient features of the houses in any way whatever, and without omitting anything that the Ministry of Health required, the cost of the non-parlour type of house was eventually reduced to £750, and the cost of the parlour type to £850, a reduction of £150 per house. Did not that show there was some fault in the design of the house by the architect, or some fault on the part of the surveyor in not calling attention to it. They were all, no doubt, to blame. £1,000 was an extravagant price to pay for a cottage, and more attention ought to have been paid to minor matters.

With regard to the policy of "Ca' canny," which was the phrase most used for slack working, he remembered a big contract being given in Ireland some twenty-five years ago. He was in the Government service at that time. The contract was for bricks, slates, and timber, and was for about £100,000. Two years were given for the completion of the buildings, which were scattered all over the place—there were about 100 of them altogether. About 18 months after the contract had expired, the builder came to him and said, "Whose fault is it that we cannot get this thing finished?" He (the speaker) replied, "Perhaps if you had come to me two years ago, instead of at the present time, I might have been able to help you. Would you mind telling me how many bricks per diem you estimated would be laid by your bricklayers?" The man replied, "What has that got to do with it?" His answer was, "If you had priced

“ your bills so that your bricklayers were assumed to lay, “ say, 800 bricks per diem, you might possibly have fulfilled “ your contract, but as only 270 facers and 330 builders, “ an average of 300, were laid by each per diem, it is “ quite impossible for you to do so.” The foreman and many of the bricklayers were, of course, sacked immediately. The same thing that had happened in Ireland twenty-five years ago was happening in this country to-day. It was no new thing; it was purely a question of administration.

At the War Office, where very much larger bricks were used, not 330 but 1,000 bricks a day were laid easily, and at that time—twenty or twenty-five years ago—in the north, where large bricks (9 inches by $4\frac{1}{2}$ by 3) were used, 1,200 were laid a day. To say bricks could not be laid to-day as quickly as then was ridiculous.

It came to this, that if building was going to be done at a lesser rate, at a reasonable rate, it was not so much necessary, as Mr. Gleed had suggested, to lower the wages of the men as to get together in conference. The architects, the surveyors, the builders and the workmen should get together and see what could be done to put matters right. Things were going on at the present time in too haphazard a way; there was no getting at the root of the evil, but that might be done by conference.

In dealing with the matter, account had, of course, to be taken of the capital which was being used in the building. The amount of lively capital in any concern was limited. Many people seemed to look on the building owner as a man to be “ rooked.” It was the duty of the architect and the surveyor to see that that did not happen. If a man wished to build a house, and had £20,000 to spend, he would not spend £30,000 merely because the architect, the surveyor, the builder, and the working man required a great deal more time to do the work. He would want his contract carried out, and it was up to all concerned in the matter to see that the money, whether it was the capital of the country or of an individual, was fairly and not badly spent.

There were several other things he had wished to say, but time would not permit. He would merely end by saying

that with regard to the question which had been raised as to the standardisation of quantities, his own impression was that a standard set of quantities already existed. No surveyor of standing would make an odd set of quantities; he would more or less adopt the standard which, if he remembered rightly, was first made and used when the Houses of Parliament were measured; from that time until the present there had been little variation. He did not think anything done now would very much alter that; still, it would be interesting to see.

He supported the vote of thanks to the author with the greatest pleasure.

Mr. FRANK HUNT (Fellow) said that like most surveyors he had had to struggle with the difficulty the author had indicated that evening, namely, that of endeavouring to get an approximate idea of the proportions of the cost of a piece of building work which went in labour and materials.

In the early days of the war the Council of The Institution appointed a Housing Committee. That Committee, in the course of its investigations, tried to worry out, in those days when labour and production were so greatly disturbed, how much of the cost of a house, in pre-war terms, went in materials and how much in labour. The Committee were much indebted to Mr. Dendy Watney for the investigations he made. He carried his analysis a little further than the author had done, because in dealing with what might be called the raw material of building, the author had only been able to make an analysis in the case of the cost of coal. Mr. Watney went further than that, and dealt with bricks and timber; and the result of his analysis, if he remembered rightly, showed that in the case of a house the pre-war cost of which was £200, between 80 and 90 per cent. of that amount represented payments made to labour at some stage or other of the production. When one came to consider the matter, one would find that the ultimate real cost of raw material was very small indeed compared with the total cost of production.

He had had a good deal of experience with regard to the

cost of housing, gathered, probably, over a wider field than the author had analysed. A difficulty was met with owing to the fact that the increase in the cost of materials and the increase in the cost of labour ran neck and neck for some time. The amount of output from labour was also a disturbing figure, and that, in the case of building materials, influenced their cost to a very considerable extent. What was the raw material for building was the finished article for another branch of industry. The output of labour since the war was not anything like it was in pre-war days. He had under his control a staff of about 200 workmen engaged on ordinary maintenance repairs, and with regard to the painting side of that staff checks taken showed that on their return from war service men were taking, to do the same piece of work, something like twice as long as they took in pre-war days. Action was needed on that, and, as a result of that action, the rate of output had been gradually got back to about what it was in pre-war days.

He did not wish to make a complaint against the men; he attributed it to the stay they had in His Majesty's Forces. That sojourn was not conducive to a spirit of hard work when the men were left to themselves. There was too much man power about apparently, and a little job which in civilian life one man would do without any worry took six under disciplinary conditions.

Before he read the Paper he rather thought the author might refer to an interesting volume which was published some years before the war, known as the "Census of Production." It purported to make a survey of the whole of certain big industries in the kingdom, of which building and contracting was one. It gave a total expenditure of something like £75,000,000 in one year, and in the end an endeavour was made to ascertain what was the payment to labour. That was done in a very broad way by deducting the cost of the materials required in the carrying out of those works of building and contracting, and, if he remembered aright, it looked as if the cost of materials in relation to the margin of net output, as it was called—representing payments for labour, payments for salaries, payments for

overhead charges and for rent and interest and profit—were about equal. For repairing work, of course, the percentages differed, but in the summary it seemed to have been concluded that the relation between wages—by which he meant wages and salaries, everything paid for effort, such things as rent and profits being eliminated—and materials corresponded closely to those given in the author's first analysis; they were 33 per cent. for labour and 66 per cent. for materials, as against his 30 per cent. for labour and 65 per cent. for materials. The book to which he referred was written long before the days of "Ca' canny," and also before the days of rising prices, which affected labour and materials. That was a curious commentary on the analysis given by the author, which was based upon the experience of recent years.

Perhaps the author could say whether the schemes on which his analyses were based were relatively small schemes, but large in number. He put that point because a small scheme could probably be carried out without any large organisation of mechanical appliances. If, for example, a large scheme was dealt with—such as the development of 3,000 acres, upon which it was designed to build 24,000 houses—it was quite obvious that the lay-out for a job of that kind would be very different from that required for building half a dozen houses in a remote part of the country. He had in mind a scheme where nothing much in the way of aggregate—no gravel or ballast, and very little sand—had to be brought to the site. The site had access to a river, and steamships could come alongside, so that all the material was handled once only, being put into trucks and delivered at the site on which the houses were being erected. There would be a big difference between the proportion of cost to be allotted to labour and materials in that case compared with the case of half a dozen houses put up in a country district—a difference so great as to vitiate any conclusions which might be drawn from the analysis of one simple set of circumstances.

He wished, before sitting down, to support most heartily the vote of thanks which had been moved and seconded to the author. A special debt of thanks was owing to the

author for the way in which he had read his Paper that evening. Being so clearly read, it was easy to follow, which—without saying anything to the detriment of other readers who might be present—was not the case with all the Papers presented before The Institution.

Mr. A. H. DAVIS (Fellow) said he had been very interested in Mr. Hunt's remarks with regard to labour. Most people complained of the bad output by labour, but he thought few had ever troubled to get at the basic reasons of bad output. He agreed that the reason given by Mr. Hunt—the conditions prevailing in the Forces being detrimental to a man's idea of work—was such a basic reason. He had been stationed for three months, prior to going abroad, at the port of Richborough. It was a notorious fact that they had about three times as many men there as were necessary to carry out the work of constructing the various huts and buildings, and, when the question of man-power became serious and the number of officers and men employed was thinned out, hundreds were taken away without any detriment to the work which was being carried on.

Looking at the matter from the labour point of view, there was another serious factor which hindered output, namely, the fear of unemployment. Labour frequently had a genuine fear that if the work was done too quickly the job would be finished and the work over too soon, and unemployment would result. That was a fallacy out of which it was urgently necessary to educate the working classes; and when they were disabused of it, higher efficiency in output would be obtained.

He might instance, as an analogy, the case of a general and his army. The general planned and schemed, but, after all, it was the common soldier who carried out and put into effect the plans of the general; in other words, the results were achieved by the men. That was also the case in the building industry. The architect and the quantity surveyor schemed and planned, but the working man carried out the schemes. It would have a very beneficial effect on the output of the working classes, not only in the

building trade, but generally, if some scheme of co-partnership could be brought about, so that the men knew that in addition to the ordinary wages they received for their labour they were getting some of the profits. That would help them to take a keener interest in their work than if they were merely doing it to earn their bread and butter. In the building trade, subject as it was to constant changes and to rushes and slack periods of work, it would be a difficult matter to organise a scheme of that kind, but it might be worth trying.

In conclusion he thanked the author for his very interesting Paper.

The SECRETARY read the following written communication received from Mr. THOMAS G. BOCKING (Fellow):—

In the mining branch of the profession we have long been familiar with elaborate analyses of the costs of producing coal, and it is not too much to say that without these it would not be possible to manage a modern colliery undertaking. Further, speaking personally, before the war I had a fairly comprehensive knowledge of civil engineering and general building costs. These experiences led me to think that it ought to be possible so to analyse the general costs of construction as to prove or disprove the possibility of reducing the present high prices.

Mr. Price Davies, if I may be allowed to say so, has brought to his task the gift of infinite patience, and the result will be of the utmost value.

He has evolved a fact which only analysis could make incontrovertible, viz., that all costs can be resolved into labour and profit. That being so, it is difficult to see where a beginning can be made in the process of reduction. Probably "Labour" will annex this fact as political capital, but they will find they cannot have a monopoly of it, as it is also a cogent argument for the necessity of capital. It was abundantly clear during the war that if a labour section obtained an increase of wages to cover the increased cost of living, again and again the same section had legitimate

cause to demand further increases for the same reason. We all spoke about "vicious circles"—they were ever-widening circles, but none could say where the original stone fell, and, I venture to think, we shall never know. I do not think we can point to any one item in Mr. Price Davies' analysis and say that if it could be reduced it would react favourably on all or many of the other items. Take bricks, for example, representing 1,150 units.

I have some brickmaking costs before me which substantially confirm Mr. Price Davies' estimate that 50 per cent. (575 units) represents labour. I am informed that whereas in 1914 each machine at a certain brickyard produced 1,000 bricks an hour, only 800 are now produced. But practically the only other item of the analysis that this affects is "plant," and I cannot prove from the analysis that a pre-war rate of production would knock off many of the 10,000 units. But "many a mickle makes a muckle," and in the aggregate of all trades there is no doubt that a return to pre-war energy would substantially reduce costs.

Mr. O'Donahue in his Paper "The Valuation of Mineral Properties" (Vol. LIII., p. 325) said: "What standard normal post-war conditions will eventually obtain it is impossible to say, but it would seem that something between two and three times the pre-war construction price must be contemplated."

The discussion that ensued was not very representative of The Institution, and I suggest that further views on this important aspect of "costs" would be of great advantage.

Anything which will tend to remove the uncertainty as to what *normal* post-war prices will be must at the same time tend to stabilise industry, and I believe that Mr. Price Davies' Paper will have that effect.

There is one point which may be overlooked, although it is already put by Mr. Price Davies. The percentage of "profit" in each case is a percentage of the total cost, and not a percentage *added* to the cost.

The difference is very little when considering only 5 per cent., but in the final result I think it should be stated that 1,259·7 units out of 10,000 (12·597 per cent. of

the total cost) is 14·412 per cent. of the 8,740·3 units which represent costs other than the earnings of capital.

Mr. B. PRICE DAVIES, in reply, said he very much appreciated the way in which his Paper had been received that evening. He welcomed all the criticisms, and particularly the adverse criticisms, which had been made, because he realised that the path of progress did not always lie in the way of agreement. His thanks were due to those speakers who had communicated their views in so able a manner to the meeting. What had seemed to him quite a formidable task before commencing upon it, appeared later to be all too little to offer to a meeting of The Institution. The President at a previous meeting had kindly encouraged the younger members of The Institution to give expression to their newly fledged ideas, and the manner in which those present had tolerated his own that evening should be a further encouragement.

Mr. Gleed had raised a point in connection with builder D. D carried out his work during the same period of time as the others whose results were given, so that he must have been rather lacking in power of administration.

With regard to some of the points raised by Mr. Paull, the difference in the valuations at the various stages would depend on the inclusion or exclusion of various items; for instance, if in the case of a particular house or in one stage one allowed for the stairs being fixed, or if as in the case he gave, the steel casements were not allowed for, until the first coat of plaster was applied, that would show itself in the stages.

The percentage of labour in various classes of work he agreed was variable. Mr. Paull was rather dubious about the 3,000 units he had given in the Paper, but he would like to point out that the percentage of labour depended on the class of work executed. One contractor might be carrying out work in which a considerable amount of excavation was involved, and his cost would be practically all labour. Another contractor might be engaged in the fixing of very expensive mantelpieces in a building, removing the old ones

and substituting new, and his percentage for materials would naturally be greater; the expensive mantelpieces would cost quite a large sum of money compared to the labour employed in fixing them.

With regard to the percentage of excavation in his analysis, unfortunately he had not the figures with him, but he thought the percentage of excavation in the case given would be roundly 10 per cent. of the unskilled labour.* That again would depend on Mr. Stephenson's point and on the amount of excavation done by a particular builder.

Both Mr. Stephenson and Mr. Paull referred to the third analysis in Section V. Those analyses were not meant for building work; they were simply an attempt to solve the problem of what labour really received from the erection of a house at the present time. He did not for a moment suggest that those particular tables were any use for ordinary building work. He had merely tried to solve a problem which had been before him for some time, namely, as to what the percentage of labour really was at the present time.

In reply to Mr. Hunt's question as to the extent of the schemes analysed, it was quite small; a matter of something like 800 houses let out in 50 different contracts and one direct labour scheme. The whole scheme was therefore quite small in comparison with the one Mr. Hunt mentioned.

He entirely agreed with Mr. Hunt that the percentages would vary considerably in relation to the extent and position of the work. The site would have a great deal to do with it.

With regard to Mr. Davis's point concerning output, his own experience had been that where one had a large gang of men who were tumbling over one another, the work often took longer than if a smaller number of men was employed.

He had perhaps been rather daring in suggesting a more

* This has since been verified, and the analysis is as follows :—

Excavation, including excavation for drains and other pipes, 10 per cent., concrete work 10 per cent., attendance on other trades 80 per cent.

progressive scheme for examinations, but when he spoke of examinations he meant examinations in general and not those of The Institution in particular; in fact, he considered that the examinations of The Institution were quite progressive.

Although impressed by some of the points put forward by the speakers, he still thought that what was required in this ever-expanding age was a thorough grasp of fundamentals and a knowledge of where to find the details. The cramming of detail and unnecessary matter tended to stunt the creative power of the mind, without which it was impossible to deal with the new problems which modernism cast up. It was well to remember that there was more than one type of progress, just as there was more than one type of race. There was the ordinary race in which the runners ran over the same distance, usually conserving their strength at the commencement for the sake of the final sprint. The sum total of the distance covered was the same for the whole as it was for the individual, and yet those runners had made progress. There was also another type of race, the relay race; where a long distance was divided into sections with runners posted at their respective sections. The first man put forward all his strength to cover his section, and, when his strength was spent, he handed the flag to the next man, who covered a second section and in turn handed the flag on. The moral was only too obvious; the valuation tables handed to examinees at examinations, for instance, were really flags handed on. It should be a matter of pride to The Institution that it could ever look back on a past which had been progressive and on men who never faltered while running their race. As younger men they could only hope that in their time they would not fail to show the progressive enthusiasm their predecessors had exhibited.

In conclusion, he heartily thanked the meeting for the way in which they had received his Paper.

The PRESIDENT said he was quite sure everyone present had listened with intense interest not only to the Paper but to the excellent reply which the author had given, and if

he needed encouragement he would now know that members were very willing to give it to him. They were not all prepared—personally he was not at a stage in his life when he was able to do so—to enter fully into the new problems to which this Paper had called attention, but he thought the author had laid down lines which might well be followed in time to come.

In the *Journal* for last March there was a reference to Mr. Davies's book, and he could only express the hope that in entering on the task of authorship Mr. Davies would find that he had embarked on an enterprise which would bring him fame in the future.

The meeting then terminated.

PAPER 468.

THE EXPERIENCE OF A DIVISIONAL OFFICER (TIMBER SUPPLY DEPARTMENT) DURING THE WAR.

By H. A. Pritchard (Fellow).

*To be read at the Ordinary General Meeting of The Surveyors'
Institution, on Monday, 10th April, 1922.*

This Paper is the result of a most interesting Paper read before The Institution by my friend Mr. Leslie S. Wood, on the organisation and work of the Forestry Directorate in France. The feeling was then expressed that it would be of interest if some account could be given of the work done in Great Britain to meet the demand for timber, first for Army purposes, and, secondly, the needs of the civil population and industry, the main portion of which demand had to be met as far as possible from home resources if the necessary tonnage was to be released for other and more important purposes. It was also desirable to meet the demands for timber from our own stocks for another reason, viz., the necessity for husbanding our resources and keeping as much of our money as possible at home. That the effort was successful as far as most of the objects were concerned is evidenced by the fact that during a period of four years the country was enabled to reduce one of its principal imports by three-quarters, and one of the most individualistic branches of trade and commerce was brought under rigid but, I believe, harmonious control. It is possible that at times control did press hard on the individual, but I am certain not even the person most concerned ever thought it really unjust or against the national interest as a whole.

Thrown on our own resources, and having to use the generally despised timber produced at home, its exploitation revealed what an enormous amount of really excellent timber the country did possess, the uses to which it could be put, and how much we as a nation really owed to Landowners who had had the courage and forethought to develop their estate by the planting of areas, in most cases unfit for agriculture, without at the time possessing any reliable data as to whether commercially the project would prove to be financially successful or otherwise, and without help or encouragement from the Government. To their enterprise and public spirit is due all praise, as not only were the necessary supplies available, but they were available at prices which, although higher than those current previous to 1915, in the majority of cases yielded little if any profit to the grower.

It may perhaps help us to realise what was done if I give a few figures showing the position before the war, when 90 per cent. of our timber came from abroad. In 1913 nearly 12 million tons of timber and pitwood were imported as against less than 1 million tons produced at home. In South Wales practically the whole of the mining timber used was imported, the pitwood import from France alone, which was mainly consumed in South Wales, being, roughly, 120,000 tons a month, and yet, during the worst period of the war, from an economic point of view, viz., during the period of submarine activity for month after month, not more than 10 to 12,000 tons of imported pitwood were available. In normal times it was, of course, impossible for home-grown pitwood to compete in the South Wales coalfield, railway rates alone putting the home product out of the market, whereas cheap freights, both sea and land, the timber being practically carried as ballast, gave the French timber an undoubted preference. In 1917 rather more than one-half of the country's requirements were met with native-grown timber. It is true that during the war consumption was lowered, as far as ordinary purposes were concerned, by the system of rationing imposed in the later stages of the control. Against this, however, must be set the enormous demand for purposes connected with the war—

sleepers and railway timber, munition works, aerodrome hangars, huts, telephone and telegraph poles, railway wagons, carts, timber for aircraft construction, ship repair and dock construction, and the innumerable purposes for which such enormous quantities of timber were required on the various fronts, and which during the earlier period of hostilities were produced in this country.

It is worthy of note that owing to the progress made in spite of these heavy demands, it was felt possible to restrict the importation of timber to the smallest dimensions in order to devote the tonnage saved to the transport of troops, food, and munitions. The source of our main supply—viz., Russia—had, when this decision was taken, been cut off, as after the Revolution we received only insignificant quantities from that country, whereas formerly we received about half of the total import, and our Finnish supplies were not available owing to the position in the Baltic. Our losses in tonnage, which the restriction of imports was designed to meet, were very great. During the first year of the war the monthly average tonnage of merchant vessels sunk was 74,000, 52 per cent. by submarine, 32 per cent. by surface craft, and 16 per cent. by mines. Next year the monthly average loss was nearly doubled, the percentage by submarines being 77·5. Then came the period of unrestricted submarine warfare. From February to April, 1917, a monthly average of 667,000 tons of shipping was sunk, 90 per cent. by submarines. In all, during the war, $6\frac{3}{4}$ million tons of shipping was sunk by submarines as against half-a-million tons by surface craft, and these figures do not include allied or neutral vessels or ships damaged but not sunk. These figures will perhaps explain some of the reasons for control and the stimulation of production at home of such bulky produce as timber.

It is impossible for me to set out in any detail the reasons which led, in the first instance, to the setting up of the organisation to deal with the timber supplies of the country, or to describe the various bodies who in succession had charge of the operations. In the first place they did not much concern me, and, secondly, as a Divisional Officer I had very little

knowledge of the inner workings of the organisation, and had too much to do in looking after my own Division. I have, however, tried to set out the steps taken, and it will be of interest just to state these and then pass on to the organisation of the unit so far as home-grown timber was concerned, viz., the Division, and set out briefly the work and duties the average Divisional Officer was called upon to undertake.

The first step towards the organisation and utilisation of our timber resources was taken, I believe, within a short time after the outbreak of war, when the Office of Works had to undertake the provision of large quantities of timber for the construction of huts and other purposes, and decided to adopt a policy of direct importation, and for this purpose appointed the Government buyer, a step which subsequently led to a great deal of adverse criticism, most of which was afterwards found to be unfounded. Shortly afterwards, and before the situation was at all acute, Mr. R. L. Robinson and the Forestry Staff at the Board of Agriculture, with the assistance of the Forestry Advisory officers, carried out a hurried survey of the quantity of pitwood available in the country. The returns, although not professing absolute accuracy, gave the satisfactory assurance that even without any imports at all the collieries would be able to carry on for, speaking from memory, two years on the basis of their pre-war consumption. This was followed, under the same direction, by the organisation of supplies for meeting the demands for charcoal for the troops in the trenches. The next step was the setting up by the Board of Trade of a Pitwood Department under a Mr. Burton, at, I believe, the request of the Admiralty, who were anxious to see that the collieries supplying coal for naval purposes should not run short of pitwood.

I met Mr. Burton shortly after he commenced operations, and suggested to him the desirability of creating emergency stocks at the South Wales ports, which he adopted. These stocks later on became of the utmost value, and enabled the department to keep the collieries going when we had to rely entirely on home-grown timber, and when they came into the hands of the Timber Supply Department the stocks

were kept up as far as possible. Mr. Burton's operations were confined to purchases from merchants both at home and in France, and the *Depôts* at Newport and Barry were in charge of Messrs. T. P. Thomas & Co., Cardiff, who were also appointed buyers and importers—by arrangement with the various collieries concerned—for all the Admiralty collieries. This was a purely private arrangement. Towards the end of 1915 the Home-Grown Timber Committee was formed to develop home production. This Committee was set up by Lord Selborne, the then President of the Board of Agriculture, and was largely staffed by the Board's staff and that of the corresponding departments in Scotland and Ireland.

The object at first was to obtain supplies of timber, namely, sleepers, telegraph poles and other timber for France, but although at the start the Committee did not buy pitwood as such, they ultimately did in a very half-hearted way attempt to deal with this commodity. The minute of appointment setting out the object of the Committee was as follows :—

“ To purchase and convert standing timber, to supply such timber to Government Departments, and generally to make arrangements for the further utilisation of native timber resources.”

The following gentlemen formed the Committee: The Rt. Hon. J. D. Acland, M.P. (Chairman), Mr. (afterwards Sir) Frank Baines, M.V.O., the Lord Barnard, the Duke of Buccleuch, Mr. J. C. Clarke (Admiralty), Mr. R. H. Corner (War Office), Mr. W. Dawson, Mr. A. C. Forbes, Mr. Stafford Howard, Mr. C. E. Hewlett (Office of Woods), Lord Manners, Sir John Stirling Maxwell, Bart., Sir T. H. Middleton (Board of Agriculture), C. F. Rey (Board of Trade), Dr. Somerville, Mr. J. Sutherland (Scottish Board of Agriculture), with Mr. H. G. Richardson (Board of Agriculture) (Secretary). Others were added from time to time, including Lord Clinton and Mr. W. F. Burton (Board of Trade, Pitwood Department).

From the outset an Executive Committee—consisting of

Mr. Acland, Dr. Somerville, and Mr. Sutherland—dealt with details, while the executive charge lay with Dr. Somerville, with Mr. Sutherland and Mr. Forbes having local charge in Scotland and Ireland respectively. Dr. Somerville resigned in March, 1916, and Mr. Sutherland took over the general administrative charge with very wide executive powers. As soon as the Committee was formed, a meeting of the Forestry Advisory officers, on whose shoulders the brunt of the work inevitably had to fall, was called, and the general lines of procedure decided upon. The decisions arrived at as to procedure were by no means unanimous, and no one appeared to have grasped the magnitude of the task in front of them or how to tackle it. Moreover, few of the officers present at the meeting had any practical experience of extraction or conversion or even of purchasing timber. I confess I left the meeting with many misgivings. However, after a good deal of thought, I decided to act, and must confess most of my fears were groundless, at all events, after a few months. The country was divided up into the Advisory districts for purchasing and organisation, and the Advisory officers were appointed to take charge of their respective districts. The Oxford Advisory District was vacant at the time, and had been in my charge. The district was, however, too large for one person to deal with, and the Home counties and South and Eastern counties were treated as a Headquarter Division, and put in charge of Mr. Young, I believe, with whom were placed Mr. A. P. Long (afterwards a very successful Divisional Officer), and Mr. Guilleband.

The Committee at first thought that they could largely increase the supply of sawn timber by developing the use of existing estate saw-mills, rather than with an almost entirely unexperienced staff, by developing their own means of production. This hope, however, was very soon dissipated, as there was little practical response; and further, such expert saw-mill labour as was available—it was scarce—would have been wasted if their energy was dissipated by way of dilution. The Committee, therefore, decided to set up their own mills to supplement the output of the Home Timber Trade, and purchased for working large blocks

of standing timber. In order to avoid delay and possible difficulties it was thought necessary to give the Committee compulsory powers for the acquisition of timber, and in April, 1916, a special regulation under the Defence of the Realm Act (No. 26) was issued giving the Committee very wide powers. I think it only right here to say that I personally never found it necessary to ask for these powers to be put into force, as not only were Landowners generally most anxious to assist in every way they possibly could to further the carrying on of the war, but they gave me every possible assistance and co-operated in every way. I think I am right in saying that most of the requisitioning orders made were due to legal questions involved rather than to disinclination on the part of Landowners to cut their timber, and I am glad to pay this testimony to their public-spirited action. I hope none of them suffered through it, although those who sold by persuasion, conviction or otherwise in those early days did undoubtedly suffer pecuniary loss due to the rise in the value of timber.

As was perhaps natural, the setting up of the Committee and the powers given to them gave rise to some apprehension on the part of the Home-grown Timber Merchants, but an assurance was given them that the Committee did not desire to do anything to injure their trade, nor to enter into competition with them either for markets for the timber or for the acquisition of timber, and orders were issued to Divisional Officers instructing them not to take labour from any Timber Merchant. This order was faithfully kept, with the result that the Committee undoubtedly suffered, in the early days at all events, owing to the unskilled nature of the labour available for their purpose, and to the fact that invariably the easiest working timber, *i.e.*, that least difficult for abstraction, went to the Trade. In order to avoid competition, piecework prices and other labour conditions were agreed upon, and these arrangements on the whole worked well. The available labour at the start for the staffing and working of the Department was therefore not of first-rate quality, and the system of badging led to the admission of many who had no claim at all to any special knowledge of

the trade or even of timber. From the start the provision of plant and the lack of any skilled mill engineers was a very great difficulty, and led to the purchase of plant which was not only old but was of little value; and while this to a certain extent was due to difficulties over which the Committee probably had no control, it took a long time for them to realise that lack of output was due more to the plant supplied to their Divisional staffs than to lack of effort on the part of the latter. Thrown on his own resources the Divisional Officer had to look to himself, but even then the competition for mills and the skilled staffs to work them was such that one could never be certain, if one found the man one required, that he would be sent to the Division. Notwithstanding these difficulties, timber acquisition and production did proceed, and by the end of 1916 no less a quantity of converted material than $4\frac{1}{2}$ million cubic feet and $1\frac{1}{2}$ million cubic feet of poles, pickets and pitwood, and 13,000 cubic feet of round timber had actually been despatched, in addition to the production of the trade which had been stimulated in every possible way.

This included 20,000 telegraph and telephone poles sent to France, the bulk of which came from timber on two estates, one in Cornwall and one in Somerset.

It is interesting to note that although the poles were for use in France—where any old thing is used for the purpose, even in normal times—each pole had to be carefully inspected and scrutinised, passed and stamped by Post Office inspectors before it could be accepted, and the same rigid Post Office specification was insisted on. This not only caused delay, but considerable expense and interference with the normal work of operations. My after experience of the Post Office specification and methods of inspection did not give me any reason to think that English timber was ever likely to be largely used by that department, which consumes such a large quantity of timber annually, and which with a little more desire to assist timber production in this country could undoubtedly help matters to a great extent.

As the operations increased, the demand for labour

increased, and it became exceedingly difficult to increase the output to meet the demands made on the Department. Recruiting was largely done by Headquarters, and Irish labour was introduced, and later on Belgian refugees, while German prisoners of war, Internees, and Conscientious Objectors were used. In 1916 the numbers were:—

	British.	Canadian. Men out of Canadian Forces.	Portu- guese.	Military unit.	G. P. W.	Belgians.	C. O.
End of } June } ...	439	536	26	130	—	—	—
End of } Dec. } ...	1,017	1,883	22	135	561	6	145

Totals were—June, 1,131 ; December, 3,769.

With the exception of the Conscientious Objectors and the German prisoners of war, the housing and care of this labour fell on the shoulders of the Division staffs.

The German prisoners of war were housed in huts largely erected by the R.E.'s with timber supplied by the Department, the catering being in the hands of the military authorities, Captain Gammell being attached as *liaison* officer between the Committee and the War Office. Early in 1916, February, I believe, it was decided to obtain the assistance of the Canadian Government in providing skilled labour, 1,500 men being asked for, and as a result the first Lumbermen's Battalion was sent over, known as the "234th Forestry Battalion of the Canadian Army." The first contingent arrived on the 28th April, and in all 1,600 men had been recruited and many had arrived in this country by the end of May.

Further battalions were called for, and at the end of 1916 the strength of the corps was 11 companies, comprising 103 officers and 2,303 other ranks, together with mills and equipment. These numbers were further augmented, until at the end of hostilities there were 41 companies, with, in addition, Canadian Army Service Corps and Medical Corps

units. To the Canadians were also allocated German prisoners of war, Portuguese, and other labour for subsidiary operations. The Canadians operated in this country timber purchased and handed over to them for conversion by the Home-Grown Timber Committee and the Timber Supply Department. That they considerably augmented the output, and helped to solve the difficulties, will be apparent from the following statements, which show the number of mills established by the Committee and the Canadians during the latter part of 1916 (earlier records not available):—

Month. 1916.	Committee's Mills.			Canadian.
	England & Wales.	Scotland.	Ireland.	
June	36	10	2	10
July	42	11	2	14
August	54	13	2	13
September ...	50	16	8	15
October	74	17	7	10
November ...	82	18	10	10
December ...	89	19	10	14

In order to keep these mills going, and for the other purposes for which timber was required, very extensive purchases of standing timber had to be made, and the following figures show the quantity purchased in each county in England and Wales up to the 12th April, 1917:—

COUNTIES.—SHOWING TIMBER ACQUIRED AS ON 12TH APRIL,
1917.

In 1,000 cubic feet.

Beds	346	Leicester	3
Berks	155	Lincs... ..	13
Bucks	412	Middlesex	2
Cornwall	135	Monmouth	306
Cumberland	812	Notts	8
Cheshire	15	Norfolk	399
Devon	1,911	Northants	192
Dorset	235	Northumberland	1,036
Gloucester	325	Oxford	39
Hants (N.F.)	3,295	Shropshire	246
Hereford	6	Staffs	171
Herts	328	Somerset	640
Kent	371	Surrey	2,470
Sussex	800	Suffolk	119
Wilts	514	Westmorland	341
Worcester	—	Yorks	839
Brecon	962	Cardigan	345
Carmarthen	231	Carnarvon	224
Denbigh	102	Flint	44
Merioneth	50	Montgomery	4

Total ... 16,000,000

Out of the 16 million cubic feet purchased I personally had purchased over 5 million cubic feet in my Division without assistance of any sort, and had to make the necessary arrangements for felling and extraction and milling where necessary.

The gradual increase in the output of the mills is shown by the following table :—

OUTPUT (Cubic Feet).

1916.	Committee.	Canadian.	Contractors.	Total.
July	181,000	116,000	310,000	607,000
August	242,000	280,000	331,000	853,000
September	271,000	313,000	343,000	927,000
October	266,000	274,000	229,000	769,000
November	416,000	307,000	251,000	974,000
December	343,000	278,000	252,000	873,000

In 1917 the Department's production of sawn timber was 86,000 standards, and in 1918 154,000 standards.

Early in 1916 the supply of pitwood began to cause some anxiety, as was natural, and it was a wonder that no serious attention had been devoted to the question of meeting the enormous consumption of home-grown timber other than the formation of a joint sub-committee of the Home-Grown Timber Committee and the Coal Mining Organisation Committee of the Home Office to deal with the matter. The net result was the formation of pitwood committees in each of the coalfields which, so far as I can now ascertain in the majority of cases, did not actually function, or, at all events, if they did, the position so far as South Wales was concerned remained precarious and was the cause of anxiety owing to the falling off in imports. So far as I personally am concerned the work of the Home-Grown Timber Committee was practically a closed book at this period, as notwithstanding the very large area I had to cover—although Mr. Hanson (who came on to assist me with telegraph poles) eventually took over Devon, Somerset, and Cornwall, as Divisional Officer, in April, 1916—my repeated requests for assistance met with no response, and eventually I received a letter saying that they did not think I really needed assistance, although, as I afterwards ascertained, staffs (not only acquisition but works officers) had been supplied to

other Divisions, as well as adequate clerical assistance. The clerical staff at Headquarters had grown to 130, as compared with 6 to 8 at the commencement, and 23 in June, the outside staff being 48 and 62 respectively.

I found it was impossible for me to run so large a division thoroughly without assistance, and rather than continue I resigned early in 1917.

My resignation practically coincided with the end of the Home-Grown Timber Committee, the dissolution being formally authorised by Mr. Protheroe (now Lord Ernle) as from the 31st March, 1917.

Events at this period moved rapidly. The enemy with his ruthless submarine campaign rendered necessary the introduction of very drastic import restrictions.

In February, 1917, a Report to the Cabinet Committee recommended further restrictions of imports, which was adopted by them, the reduction being 500,000 tons. Sir Henry Babington Smith's Committee had fully considered the matter, and stated there was plenty of timber in England and France to supply all our needs—both military and civil—and that there was no other import that could be reduced and replaced by a home product, without delay, without probation, with benefit to the exchange, without serious injury of any kind and with so little expenditure on labour. The stocks in the country and the consumption were not known, but of pitwood it was estimated that the normal annual consumption of $4\frac{1}{2}$ million tons had fallen to $3\frac{1}{2}$ million tons, and the estimated supply was sufficient for $1\frac{1}{2}$ years if it could be delivered to the Collieries.

It was apparently considered that men and material only were required to put this right, and without considering the existing organisation, and the necessity for utilising to the full the existing field staffs, indiscriminate recruiting was started for Executive officers and 50,000 additional men, which Sir Bampffield Fuller estimated were necessary to bring the output up to the requisite level. These, however, were never obtained. The total number of outside labour recruited was: Overseas troops, 8,300; Portuguese, 2,500; and Finns, 1,600. At the Armistice the number of men

employed in Great Britain was 27,000 all told, in addition to Conscientious Objectors (soon given up) and some 2,000 Women. Men already employed on timber work were retained on their work, and certain grades, such as sawyers, fellers, and haulers, were ranked next to military service and were not allowed to join the Forces.

At the same time the military authorities were dissatisfied with the arrangement for the supply of timber to the armies in France. This state of affairs led to the creation in February, 1917, under the War Office, of a Directorate charged with the duty of supplying timber for military and other essential Government requirements, inducing economy in consumption and increasing home production. Under this Directorate were united the functions of the Home-Grown Timber Committee and of the Import Section. The War Timber Commission fell into abeyance, although the Commission Internationale d'Achats de Bois continued.

I had in the early days no connection whatever with the new Directorate, although apparently my name had not been removed from the list of Divisional Officers.

Sir Bampfild Fuller was appointed Director of Timber Supplies in May, 1917, and sought and obtained the assistance of Mr. Hugh Murray, late of the Indian Forest Service, in reorganising the Department, and to him in no small degree is the credit for the reorganisation due. Certainly to him, above all others, the harassed Divisional Officer owes a very deep debt of gratitude for what he did to bring home to the Headquarters staff their proper functions, viz., to assist the man in the field, to whom alone they could look for the timber to meet their demands.

The new Directorate started with zeal, and did proceed to secure the necessary additional labour and efficient plant and transport, and undoubtedly a very large amount of important work was done.

Sir Bampfild Fuller addressed meetings of the Trade and Landowners, and announced his policy, which was economy in consumption and increased production, and every encouragement was promised and given to the Home Timber Trade. Advisory committees of the trade and producers

were formed so that the closest touch was kept with all interests. Colonel Courthope, M.C., M.P., assisted the Controller in keeping touch with landowners, and close personal contact was always maintained, and any grievances dealt with as soon as possible.

The work at Headquarters was reorganised as follows :—

Branch I.—Imported timber.

„ II.—Propaganda for the promotion of economy in the use of timber.

„ III.—Acquisition and conversion of home-grown timber.

„ IV.—Labour, transport, and plant.

England and Wales were rearranged, and 21 divisions were created, each containing (i.) a Forestry Staff for acquisition, and (ii.) a Works Staff concerned with felling, transport, and conversion. The Forestry and Acquisition side was responsible to Branch III. and the Works side to Branch IV. In many cases the offices in the divisions were in separate buildings, frequently, but not always, in the same town, and there was no one in actual control of the whole. This was obviously an impracticable scheme and gave rise to a good deal of friction, and in many instances led to the most ludicrous situations.

The reduction of imports was part of the settled policy, and it was exceedingly difficult for the new Controller to settle exactly the line best suited for the needs of the country. Restriction must inevitably prove irksome and make business difficult, and at the start this was so.

The restriction, of course, necessitated the fixing of prices for home-grown timber, and this was done in July, 1917. After various consultations with all parties concerned, and in view of the rapidly rising prices, maximum prices were fixed and known as the Home-Grown Timber Prices Order, 1917, which applied only to England and Wales. Various subsequent orders were issued fixing prices for all sorts of materials, the last order being made in July, 1918. Prices of standing timber were also fixed, and it was

necessary to obtain a permit to purchase any standing timber. The introduction of these orders, &c., were made possible by the presence of Mr. Murray, Mr. James Calder, and Colonel Courthope, and the various difficulties which they naturally led to were settled, and the scheme worked very satisfactorily.

The Directorate was in existence for only about five or six weeks, but during that time a large number of appointments were made. The work in the Division was apparently split up, and a Divisional Officer and Works Officer appointed to each with adequate staffs, and of course there was a corresponding increase in the staff at Headquarters. In May, 1917, things were still critical, and the War Cabinet decided that the Department should be transferred to the Board of Trade, who appointed as Controller of Timber Supplies the late Sir James Ball. This re-shuffle left the position somewhat as follows: Purchases for Admiralty aircraft purposes continued to be made by the Departments concerned. The Coal Mines Department had superseded the Coal Mines Organisation Committee, and the Military authorities assumed control of the timber felling and supplies in France, with Lord Lovat in charge. To my surprise, shortly after this rearrangement, I was called to London to a meeting of Divisional Officers, and found I was supposed to be in charge of two Counties in Wales, part of my old Division, viz., Radnor and Brecon. Conditions with regard to output generally and acquisitions were, however, bad, and the reorganisation, instead of improving output and the general situation, notwithstanding the enormous increase in staff and material, had led to a state of chaos, due mainly to overlapping and the setting up of new Divisional Staffs totally unacquainted with the work. Dual control in the divisions themselves also led to confusion and friction, and the same might also be said of the condition of affairs at Headquarters. So much so that the new Controller found himself in a very unsatisfactory position. Thanks, however, to Mr. Murray, who had been appointed A.C.T.S. in charge of the Home-grown Section, who reorganised the divisions, things settled down and rapidly improved. Eventually I

had the pleasure of taking the Controller on a tour through the division with Mr. James Calder (now Sir James Calder), which enabled him to see the actual conditions and the work that was actually going on.

With characteristic enterprise Sir James Ball, on his return, made arrangements and gave the Divisional Officers every assistance in the way of plant and labour, with the result that output rose rapidly.

The 21 divisions were eventually reduced to 7, but as the work increased were ultimately made into 11.

Gradually my old Division was handed back to me, and I had the unpleasant task of reorganising it; but our difficulties were over, and I gathered a staff together and opened an office in Cirencester, and to that staff and to my chief clerk, Mr. W. A. Matthews (who died when the work was almost over), and to the staff of my pitwood office in Cardiff, and my chief of staff there, Mr. Morday (who also died), every thanks are due. They died for their country as much as any man I know. Both were over age, and the extreme labour undoubtedly hastened their end.

Following the transfer to the Board of Trade the divisions were reorganised, and the following Divisions and Sub-Divisions created :—

DIVISION I.—Cumberland, Durham, Lancaster, Northumberland, Westmorland.

Headquarters : Newcastle-on-Tyne.

„ IA.—York.

Headquarters : York.

„ II.—Anglesey, Carnarvon, Denbigh, Flint, Merioneth, Montgomery (N. Part).

Headquarters : Bangor.

„ IIA.—Cardigan, Carmarthen, Pembroke, Montgomery (S. Part).

Headquarters : Haverfordwest.

„ III.—Brecknock, Glamorgan, Gloucester, Hereford, Monmouth, Radnor, Wilts, Worcester.

Headquarters : Cirencester.

Division IV.—Cornwall, Devon (S.W. Part).

Headquarters: Exeter.

„ V.—Chester, Derby, Leicester (W. Part), Salop, Stafford, Warwick.

Headquarters: Chester.

„ VI.—Bedford, Cambridge, Essex, Hertford, Huntingdonshire, Norfolk, Suffolk.

Headquarters: Cambridge.

„ VII.—Leicester (E. Part), Lincoln, Nottingham, Rutland.

Headquarters: Notts.

„ VIII.—Devon, N.E., Somerset.

Headquarters: Taunton.

„ IX.—Dorset, Hants (S. Part).

Headquarters: Lyndhurst.

„ X.—Kent, Middlesex, Surrey, Sussex.

Headquarters: Tunbridge Wells.

„ XI.—Berks, Hants (W. Part), Oxford.

Headquarters: Oxford.

„ XI A.—Buckingham, Northampton.

Headquarters: Bletchley.

The cumbersome methods of both the Home-Grown Timber Committee and the Directorate, whereby separate branches at Headquarters controlled acquisition and production (works), with the separate staffs set up throughout the country, were at once altered, and the Divisional Officer was held responsible for both acquisition and works. This change was most beneficial, and the results in increased output and efficiency were at once apparent. All of the old Divisional Officers had agreed to take charge of the newly arranged divisions.

The following table gives the output from each division in 1917 and 1918:—

March to December, 1917.				1918.		
Division.	Sawn Timber.	Pitwood.	Total.	Sawn Timber.	Pitwood.	Total.
Division I. ...			Cubic feet.			Cubic feet.
" I.A. ...	350,789	270,700	621,489	665,395	367,749	1,033,144
" II. ...	—	—	—	428,111	63,782	491,893
" II.A. ...	140,152	269,400	409,552	215,748	469,991	685,739
" III. ...	—	—	—	61,270	233,894	295,164
" IV. ...	216,985	1,020,500	1,237,485	644,439	1,860,318	2,504,757
" V. ...	357,789	349,500	707,289	443,709	531,602	975,311
" VI. ...	102,214	148,400	250,614	394,106	529,565	923,671
" VII. ...	481,225	87,600	568,825	868,246	236,754	1,105,000
" VIII. ...	—	—	—	112,277	5,317	117,594
" IX. ...	240,520	588,500	829,020	706,025	802,549	1,508,574
" X. ...	651,361	877,100	1,528,461	1,304,429	648,057	1,952,486
" XI. ...	675,164	226,400	901,564	1,504,190	180,045	1,684,235
" XI.A. ...	448,321	343,500	791,821	728,692	439,430	1,168,122
"	—	—	—	108,378	61,497	169,875
Total ...	3,664,520	4,181,600	7,846,120			
H. G. T. C. Mills, } Jan.-April ...	1,386,267					
Total for year ...	5,000,787	4,181,600	9,182,387	8,185,015	6,430,550	14,615,565

This does not include timber (put on rail) in the round, which included telegraph and telephone poles, large oak, poplar, and ash for special purposes, *e.g.*, poles for Chepstow and other dockyards.

Fuel wood, slabs, or cordwood for the distillation factories, which, in Division III. alone, amounted to from 300 to 600 tons a week.

In addition to the above, the Air Board suddenly issued early in November, 1917, a demand for 2 million cubic feet of ash for Aeroplane construction, and 500,000 cubic feet for plywood, of ash and poplar.

They had been purchasing direct from Timber Merchants, but were not able to meet the demand, and their constructional work had to be considerably augmented.

The Timber Supply Department took the matter in hand with great promptness, and, although the difficulties were great, more than met the demand. In fact, at the Armistice, not a tithe of the quantity purchased had been examined by their experts, and the Department suffered a great loss in having to resell the surplus, notwithstanding the fact that the purchase price did not average more than 2s.* a foot cube.

The position with regard to the ash purchase and consignments are set out in the following table:—

ASH.—QUANTITY PURCHASED AND POSITION AT ARMISTICE.

Division.	Purchases.	Felled.	Passed.	Mills.
	2,452,479	1,479,506	252,031	287,573
I. & I.A ...	246,380	80,364	45,000	29,037
II. & II.A ...	150,408	133,443	15,600	20,133
III. ...	347,578	76,464	30,000	42,037
IV. ...	79,475	70,246	6,363	9,668
V. ...	280,052	204,234	100,000	31,931
VI. ...	186,627	10,463	39,510	26,472
VII. ...	406,472	366,276	10,000	19,238
VIII. ...	170,071	138,769	34,500	19,577
IX. ...	97,445	36,892	14,600	9,678
X. ...	109,049	97,646	15,455	16,753
XI. & XI.A...	378,922	364,709	51,000	63,944

* The maximum price fixed by the Department was 4s. 6d. a foot cube.

In all $2\frac{1}{2}$ million feet of ash was purchased and $1\frac{1}{2}$ million feet felled in England and Wales; very little was bought in Scotland and Ireland, but 14,000 feet was bought in France.

As might be imagined with the ever-increasing demands, the difficulties in providing adequate labour had to be met, and led to the recruiting of further Portuguese, Finnish sailors, and the Women's Forestry Corps, and women who were engaged locally for cutting pitwood, measuring, and other work. Providing for this additional labour threw an enormous amount of work on to the Divisional Officer, as not only had hutments to be erected, but on his shoulders fell all the organisation for and the provision of food, sanitation, and other necessities.

The ration scale for Portuguese might be of interest:—

Cod fish	...	...	...	...	40	ozs.	per week.
Meat	...	...	...	...	16	"	"
Bacon	...	...	...	...	18	"	"
Potatoes	...	...	...	...	168	"	"
Beans, pease, lentils, barley, rice	...	...	...	...	60	"	"
Macaroni	...	...	...	...	6	"	"
Edible fats	...	...	...	...	8	"	"
Coffee	...	...	...	...	4-2	"	"
Sugar	...	...	...	...	8	"	"
Bread	...	...	...	...	140	"	"
Green food	...	...	...	...	56	"	"
Onions	...	...	...	...	7	"	"
Cheese	...	...	...	...	$3\frac{1}{2}$	(if procurable, if not, 6 ozs. sprats or herrings).	

The ration for the Finns was rather more varied, and 32 ozs. of bacon took the place of cod fish. The greatest difficulty at the start was due to faulty preparation of the food, due to the fact that when the men were recruited no cooks were secured. This led to a good deal of trouble with the men at the start, but this difficulty was ultimately overcome.

On the whole this labour worked fairly well, but, as might be imagined, could hardly be called economical, and on wet days and other times much labour was lost.

At any rate, it was all we could get, and we had to get the best work we could out of them.

In addition to the Canadians, the Newfoundland Forestry Corps, 1,500 strong, arrived in July, 1917, and the New England Corps, 350 strong, in the same month. These brought with them their complete equipment and huts. These corps worked mainly in Scotland, and gave extraordinarily good results in every way, although they were not so much in the public eye as the Canadian Corps.

With the reorganisation a better supply of plant, saw-mills, mechanical transport and horses were soon made available, and would account for the speeding-up of both output and deliveries.

I do not suppose any Department was so well served as the T. S. Department with regard to the supply of horses. This was in the hands of Mr. Musgrave, and I personally never received a bad horse from him. The care of the horses, with so many inexperienced men handling them, was also well supervised by Major Heygate, who, I believe, knew every horse in the Department.

Plant was requisitioned for upon the Mechanical Section at Headquarters, where a record was kept, and any transfer of plant had also to be recorded and Headquarters notified.

I have no doubt, however, that the records were not always very accurate, owing to the difficult circumstances of war time—untrained staffs, shortage of skilled foremen and book-keepers, urgent and rush orders to be filled, and all sorts of improvisations and transfers to meet breakdowns or to keep mills working. These difficulties will be readily appreciated when I say that my own office was for a long time staffed by Mr. W. Matthews, of whom I have already spoken, with five inexperienced girl clerks, the Headmaster of the local school, who put in his spare time and evenings, and the Church Organist, Mr. Gibbons. Notwithstanding the very hard work and their inexperience, I am glad to say that our accounts and returns were satisfactorily kept, although our expenditure on wages, food, forage and local purchases was, in 1918, £40,000 a month. Later on we were able to get demobilised men to assist us with the accounts,

which grew enormously, more especially when Divisional Officers were empowered to make local sales. The accounts up to then had not been so very difficult or complicated, but from then on every small transaction had to be given a separate entry, and this increased the work enormously.

I cannot speak too highly of the work of this office and the cheerfulness with which they worked, 16 and often more hours a day. The same remarks apply to my outdoor staff.

I do not know if it is of any merit, but we had no one eligible for the Army and fit on the staff at any time.

Timber for colliery purposes was, from the end of 1916, a great worry, especially so with regard to South Wales. This was, I am convinced, due to the fact that the price of pitwood in South Wales was always very low, and as supplies were easily obtainable from France, the home market could not really compete, and most of the home-grown Timber Merchants had no wish to cater for it. The Admiralty Pitwood Committee undoubtedly did assist in keeping the price down and organising the work of production and transport in France, but even with their special facilities nothing like sufficient supplies were available.

They could not meet the demand, as the Importers were restricted by licences, and were only allowed to bring in certain limited quantities each month. The difficulties over price meant that the timber produced in this country, with the exception of the Timber Supply Department stocks, was sent to other coalfields where the price was three times more than that obtainable in South Wales. The owners in South Wales were, moreover, determined to keep prices down, relying on the necessity for an ample supply of South Wales coal for naval and other purposes to secure them what pitwood they required at the ruling prices in South Wales.

The import in 1914 was 2 million tons; in 1915 just over 2 million tons; 1916, 2 million tons; 1917, 1 million tons; 1918, $\frac{3}{4}$ of a million tons. These figures will illustrate the extent of the contribution made towards the supply of this essential commodity.

It was not only Coal mines but Iron mines that required

to be kept supplied, and the Cleveland iron mines were estimated in August, 1917, to be consuming 3 million cubic feet of pitwood per annum in order to produce ore at the rate of 500,000 tons per annum.

In February, 1917, the importation of all kinds of timber, including pitwood, was prohibited except under licence. A general licence was first issued, but this was withdrawn as from May 15th, from which date a licence had to be obtained for each individual shipment.

In the spring of 1917 it was announced that only a further 50,000 tons of props would be allowed in from Scandinavia, but in July a further 50,000 tons was allowed if brought in before September, 1917.

The South Wales import was cut to 80,000 tons monthly in May and June, diminishing by 10,000 tons a month to 40,000 tons in October, five-eighths of the import being allotted to the Admiralty group, and the remainder to the other regular Importing firms. The various Colliery Companies were very concerned about the situation, and at a meeting called in London the Controller was informed that if the Import restrictions were not raised, most of the Admiralty collieries would be stopped in a month for lack of pitwood. There was no question that ample supplies were available if only they could be successfully dealt with and brought to the collieries. This led to the setting up in December, 1917, in Cardiff of the South Wales Pitwood Allocation Committee by the Controller of Timber Supplies and the Controller of Coal Mines.

The Committee consisted of:—

Mr. J. D. Lewis (H.M. Inspector of Mines);

Mr. C. H. Jacob (Admiralty);

Mr. W. Harry (Mon. & S. Wales Pitwood Importers Association);

Mr. Thomas Evans (Admiralty Pitwood Committee);

Mr. Fenley Gibson (Coal Owners' Association);

Mr. H. A. Pritchard (Timber Supply Department);

Mr. H. H. A. Phillips, Secretary.

The depôts formed at the docks at Cardiff, Barry, New-

port and Port Talbot, and the Timber Department supplies in the South Wales pitwood area were handed over to me. I opened an office in Cardiff, and South Wales pitwood supplies and all accounts were dealt with from there. Up to this time the records from one cause or another were not sufficiently accurate to enable anyone to say what the Department was supplying to the various South Wales collieries, or what the total quantity of home-grown timber supplied was. Further, accounts were badly in arrear, and it was agreed that a clean cut should be made so far as accounts were concerned, Headquarters pulling up their arrears, and the Cardiff Office guaranteeing to issue monthly invoices for the Departmental supplies of pitwood, by the 15th of the month following deliveries. The stocks at the various depôts had to be taken over at the quantity standing in Messrs. T. P. Thomas' books as it was impossible to check them, and, of course, they had lost considerably in weight.

The Department were fortunate in being able to secure the services of Mr. Mordey, who had a thorough knowledge of the pitprop trade and shipping; he had with him three girl clerks, and this staff was never increased. A new set of books was devised to save labour, and were intended to be self-checking, to furnish the weekly returns promised with the least possible trouble, and to avoid duplicating. The accounts and returns were rendered promptly at the arranged date, and the system never broke down in the slightest degree. The South Wales coalfield owes a deep debt of gratitude to Mr. Mordey and the very small staff for their devoted labour and enthusiasm. Mr. Mordey died shortly after the Armistice, but not before the success of the effort was known and appreciated by Headquarters and the Coalfield. With regard to the Committee, weekly returns were received from the Collieries showing their stocks at bank or in transit, stating the various sizes, together with their weekly consumption. All Imports were notified, and if the vessels had not actually arrived those expected during the week were allocated at the Monday meeting. The available home-grown supplies were also made known to the Committee, who proceeded to

allocate to each colliery as much as possible, or at least sufficient to keep them going, with their stocks on hand, for two weeks.

If a colliery was running dangerously short a special application form was provided, when the dépôts were drawn on for supplies. Owing to transport difficulties it was found in practice that although supplies were allocated to a colliery from the woods, the trucks came to hand ten days, or even longer, after their despatch. This difficulty was overcome by consigning from the dépôts a portion of each allocation, thus assuring early arrival, as the supply of trucks, which could not be relied upon in country stations, mostly off the main line, was always ample at the Ports, where, if not loaded, they would have to go to the Collieries empty. The dépôts were fed from Ireland, and surplus consignments from Divisions. The statistical work was done by the Coal Owners' Association, and they received and issued all forms and the allocation notices to the collieries when made. It should be noted that notwithstanding the grave fear of not being able to carry on (and during a period of absence of any imports, for long intervals, we never received our stipulated import of 10,000 tons a week), not one single day was lost by a colliery in South Wales for want of pitwood. To keep up the dépôt stocks the pitwood brought over from Ireland in 1916 was 28,000 tons, in 1917 29,000 tons, in 1918 47,000 tons. Towards the end of 1918 we also received from France several cargoes of trench poles and other timber cut by the Forestry Directorate, which we disposed of as pitwood.

The quantities dealt with by the South Wales Allocation Committee were :—

Pitwood allocated weekly and delivered				
(in tons)	...	...	...	2,205,000
Emergency requests and deliveries	...			158,000
Proportion of home-grown	...	...	...	1,500,000

We had many anxious weeks as stocks were being very heavily drawn on, and although there was an instruction that we should build up eight weeks' stock at each colliery,

we found that to be quite impossible. In April, 1919, stocks stood at 55,000 tons, roughly two weeks' normal supply. This was the lowest we fell to, and by September, 1919, we had built up six weeks' stocks, and felt secure from strikes in the Bay Ports and other labour and transport troubles. In December, 1917, maximum prices were arranged for (a) South Wales, including Somerset and the Forest of Dean, and (b) elsewhere in England and Wales.

The various pitwood areas were defined, and no timber for mining purposes was allowed to go out of these areas without a permit, station-masters being instructed to refuse to load outside the area without a permit.

As I before mentioned, it was difficult, however, to keep all the pitwood produced in a given area owing to better prices being available outside. In July, 1918, an order was issued prohibiting the sending of pitwood from one area to another.

Pitwood associations were encouraged and formed in the Northumberland and Durham areas, Cumberland, Yorkshire, Lancashire, Monmouthshire and South Wales, Somerset and Gloucester, Birmingham, Forest of Dean, Notts, and Derby. These associations purchased standing timber within their area. Mostly, however, the timber was purchased by the Divisional Officer and handed over to the associations, and in South Wales, in order to avoid confusion and competition, definite areas were allocated to the Association, *e.g.*, Presteigne in Radnorshire and Aberystwyth areas, and we purchased no mining timber in Glamorgan-shire or Monmouth.

The work, once plant was available, was exceedingly interesting, and, although the work entailed was arduous, it was not noticed. To keep up the standard of the work and stimulate zeal a statement showing the output of each mill was prepared and circulated weekly, and a keen desire for a leading position on this list was everywhere shown. I shall never forget being called hurriedly to Llanthony, in the Black Mountains, where I had a G.P.W. camp. The men, it seemed, were very sullen and

not working well, and the foreman in charge could not understand why they had so suddenly changed—their mill had been in the top three for some little time, and apparently in one week should have been actually top. Owing to a clerical error on the part of the clerk at the mill (a prisoner of war) they were placed second, and this was the cause of the trouble, and as soon as I promised to put the matter right they resumed work with their old swing. I must candidly confess that G.P.W. turned out the most efficient men I had to deal with; they were from every point of view the most satisfactory.

Of the other Alien labour probably the best were the Finns, mostly sailors. They worked very hard, and I was given an immense amount of help by an old captain in charge of men on a large pitwood operation, who constructed a tramway down a very steep hillside controlled by a winch in a most ingenious way.

These men had their faults, of course, and probably my greatest trouble was their scientific methods of drinking to ensure quick results. Of the interned Aliens the less said the better. They were totally unfitted for the work, and should never have been used for it. They were mostly weaklings, men who had led sedentary lives, and most of them were ill and unable to continue even their pretence of work after a few weeks. The Portuguese were variable; those that came to me direct were on the whole fairly satisfactory, and when once we succeeded in getting them on to piecework things went better. Their pay was low, but they were really very expensive workmen when everything was taken into account.

Much of the fault lay in indiscriminate recruiting, and over five hundred had to be repatriated by reason of physical incapacity, grave breaches of order, contagious disease, and other serious grounds of objection.

Another cause of a lot of trouble was the non-recruiting of cooks with a knowledge of their requirements. The provision of suitable food caused me a good deal of worry, and I remember getting rather a shock over one of

their essentials—oil. I found it almost impossible to obtain Olive oil, and was recommended to use Cotton seed oil. I tried this at one of my camps, and so far as I could see it was perfectly satisfactory; at all events there was no complaint. It was considerably cheaper than Olive oil, and I contemplated using it in all camps. One of the Medical Officers, however, had it analysed, and the particular sample proved to be crude oil, and the report said its chief use was for making soap and as a lubricant.

The influenza epidemic was a very trying time, as our Medical Officers were local Practitioners who were as busy as they could be, and had really very little time to attend to individuals unless they were seriously ill. Several men in each of the camps developed chills, and at once every man went down. The harassed Medical Officer recommended each man to stay in camp until he felt well. Individual inspection was at the time out of the question, and most camps looked like being idle, the small gangs of English sawyers, &c., not being able to keep going without Portuguese labour.

Things were getting serious, and at the time a good deal of nervousness existed owing to the infectious nature of the disease. I made a tour of the camps and decided to inspect each man, and those I thought well enough to work I decided to make work. I realised afterwards what a considerable risk I ran, but I am glad to say no one suffered any ill effects.

The work generally did, I venture to think, a lot of good for English timber and its extraction and conversion. Methods were adopted which were unheard of in connection with English timber. We were enabled to use these owing to the comparatively large areas worked. The timber was usually brought to the mills or roadside, on tramways wherever possible, but aerial ropeways and log-tracks were also used. The mills were usually equipped with twin rack-saw benches and one or more push benches worked by 12 to 16-h.p. portable steam engines, slabs and sawdust being invariably the only fuel used. A large number of

photographs of operations all over the country are in existence, and I hope The Institution will get a collection of these for the Forestry Museum.

As to the financial results, these are not available in complete or final form, owing to the difficulties experienced in winding up the Department, due to the slump in the Timber Trade and business generally. The last trading accounts and balance sheets, published in 1921, show on the home-grown timber accounts a loss of $4\frac{1}{2}$ million pounds, which is attributed, amongst other causes, to the high cost of production by the Canadian Forestry Corps.

For the period to the 31st March, 1919, the total purchases amounted to £9,017,094, and the total sales to £13,676,551. Working expenses amounted to £6,203,688; of this, £445,000 represents railway carriage; depreciation of plant, £1,324,147; £643,746 cost of production, &c., by Canadian Corps since the Armistice. Administration expenses, £800,000. £26,400 losses by fire (Government departments do not insure).

A very large item represents contributions towards cost of repairing roads, viz., £1,189,000. This amount is for damage done to roads by all timber traffic, not merely Departmental, but third party claims, and against Timber Merchants and Hauliers. This was an arrangement made by Sir James Ball, all timber being considered as being used for Government purposes, and the compensation being made a charge against the Department's accounts. These are items which might reasonably be excluded when considering the real financial position of the operations, and from the deficit of $4\frac{1}{2}$ million pounds the following items might be deducted :—

	£
Roads	1,189,000
Canadian Corps	643,746
Sales to Government Departments at 10 per cent. below ruling prices	450,000
Pitwood to South Wales, estimated difference	1,500,000

Expenses of control licensing and restriction...	...	...	...	100,000
				3,882,746
Air Board ash	...	...	...	250,000
				<u>£4,132,746</u>

To this must be added the enormous fall in value of stocks and failure to complete on the part of men who had purchased timber, and which has prevented the Department closing down; forced sales in order to hasten the closing down and the settlement of very unreasonable claims for clearing up and for damages which no Timber Merchant would have even considered. Again referring to the heavy drop in the value of the stocks, the Department had at the Armistice a very large quantity of timber purchased as they had to keep buying ahead of their requirements. As an instance of this I might mention two very large areas of coppice purchased in my own Division mainly to meet the demands of the Ministry of Munitions for the new wood distillation factories.

I had instructions to provide a two years' supply at the rate of 600 tons a week to the Ludlow Factory, which never worked, although I had actually delivered 12,000 tons of cordwood and had twice as much ready for delivery. The same with pitwood, shortly prior to the Armistice I purchased two large areas at the request of the South Wales Pitwood Association, who were not compelled to take these over when there was little or no demand. The losses on these areas should not really be charged against the Department when considering whether or no the operations were successfully conducted.

I consider, therefore, that I am justified in claiming for the Home-Grown Section that there was, at all events, no real loss. The profits on the Imported Section is shown as two million, which might be considered as the net profit of the Department, which I venture to think will be considered

satisfactory having regard to the difficulties we were up against.

I regret that I have not been able to give you more detailed information as to the actual quantity of standing timber purchased in the country, or any figures for Great Britain as a whole, but the records are not easily available, and there has been no Departmental record kept which would enable this information to be readily obtained.

AT
THE ORDINARY GENERAL MEETING

Held on Monday, April 10th, 1922,

A DISCUSSION took place on a Paper entitled
**THE EXPERIENCE OF A DIVISIONAL OFFICER
(TIMBER SUPPLY DEPARTMENT) DURING
THE WAR.**

By H. A. Pritchard (Fellow).

Sir EDWIN SAVILL, O.B.E. (Vice-President), in the Chair.

The CHAIRMAN said that as senior Vice-President present that evening he had been called upon to take the Chair in very sad circumstances. The Institution had lost its President, Mr. Sabin, who died after two days' illness only. He was cut off in the midst of his many activities; he had presided at the last Ordinary General Meeting only a few days before his death. If they searched the records of Council attendances for several years past they would find Mr. Sabin's name almost invariably heading the list. He was always ready to serve The Institution in every way in his power, and rarely missed attending a Committee to which he was summoned. He was indefatigable in the interests of The Institution, and by his death they had sustained a great loss. Everyone who came into contact with Mr. Sabin admired and respected him, while all who were privileged to know him loved him.

He would ask those present, on behalf of the members of The Institution, to pass a vote of condolence and sincere

sympathy with Mr. Sabin's widow and his family, and to show their respect to his memory by standing in silence for a few moments.

The vote was passed by the members standing.

The CHAIRMAN added that the Council, in pursuance of its powers under By-laws 46 and 52 had that day elected Mr. J. McClare Clark as President of The Institution for the remainder of the Session.

Lieut.-Colonel G. L. COURTHOPE, M.C., M.P. (Associate), said that he would like to thank the Chairman for giving him the opportunity of proposing a vote of thanks to Mr. Pritchard for the extraordinarily interesting and valuable Paper which they had just enjoyed. He was particularly pleased to have the opportunity, not only because it was his privilege to be associated with Mr. Pritchard in a good deal of his work, but because, with the probable exception of Mr. Hugh Murray, the present Assistant Commissioner of Forestry for England and Wales, he did not suppose anyone had had the same opportunity as he (the speaker) had had of really judging how much they owed to Mr. Pritchard for the work that he did during the war. Mr. Pritchard had, with characteristic modesty, excluded any suggestion of that from his Paper, and yet there was no doubt whatever in the speaker's own mind—nor, he thought, in the minds of others who had worked with him—that it was due to Mr. Pritchard more than to anyone else that the pits in South Wales were kept running without any interruption whatever. It was a colossal task that he undertook, and it was a matter of amazement to the speaker that he carried it out so successfully and with so little friction.

Perhaps he ought to explain his statement that he was associated with Mr. Pritchard in a good deal of his work; during the last eighteen months or so of the work he (the speaker) was head of the Acquisition Branch of the Timber Supplies Department, and, therefore, all the figures from

Mr. Pritchard's Division and the other Divisions of the country passed through his hands. He was sure that, having told them this, they would accept the statement he had made as to the value of Mr. Pritchard's work without any doubt of its accuracy.

There was one point which was mentioned in the Paper on which he would like to enlarge a little. Reference was made by Mr. Pritchard to the absence of friction in the operation of the Timber Supplies Department, particularly in the exercise of compulsory powers and the operation of the various timber prices orders. Frankly, he must admit that he opposed—he had always opposed—the imposition of the prices orders because he was afraid that tremendous friction would arise; and he was glad to admit that from the very first he was wrong. There was practically no friction, and this was due to the extraordinary tact, skill and knowledge displayed by Mr. Pritchard and the other Divisional Officers. It was thanks to those officers that the working was so smooth. Although the Department had the widest powers for the compulsory acquisition of timber, there were very few cases where those powers had to be used to acquire timber. They were frequently used for the safeguarding of persons or estates from whom or from which timber was bought. For instance, if it was desired to buy timber from an estate owned by a Member of Parliament, the negotiations were carried through and an agreement arrived at if possible, and then the timber was compulsorily acquired or commandeered in order to safeguard the Member of Parliament from all sorts of penalties to which he was liable if he entered into a contract with a Government department. The same thing was frequently done to protect settled estates, limited owners, trustees and others, who might have been in difficulties if they had entered into contracts of sale of large quantities of timber. But in the ordinary sense of the word, compulsory acquisition was almost non-existent.

In the last paragraph of his Paper Mr. Pritchard expressed regret that he was unable to produce detailed information as to the actual quantity of standing timber

purchased in the country, or any figures for Great Britain as a whole. As luck would have it, he (the speaker) had kept a personal record of the operation of his Branch of the Department in addition to the official files, and, after a certain amount of search, he had been successful in finding it on the previous evening. In brief form, perhaps, he might give some of the figures which Mr. Pritchard was unable to obtain. He thought they would interest the meeting.

The purchases of standing timber—he was dealing only with standing timber—made by the Timber Supplies Department, and its predecessor, the Home-grown Timber Committee, in England and Wales alone up to December, 1918, were as follows :—

	Cubic feet.
Soft wood of sawing size (quarter-girth measure) 	47,299,000
Hard wood of sawing size, do.	21,565,000
Pitwood, do. do. do.	30,933,000
Total ...	<u>99,797,000</u>

That was purchased for £4,750,000, which was not “bad going” in the circumstances. In the last year of the war, before the Armistice, his Branch had instructions from Sir James Ball to increase the rate of buying so that they should keep twelve months ahead of conversion. He thought that was a wise precaution, although, of course, it left considerable stocks to be disposed of after the Armistice. At the time of the Armistice the purchases of his Branch in England and Wales were at the rate of about 7,000,000 cubic feet a month, and that that could be done with practically no resort to compulsory powers, and with very little dispute or friction, showed how extraordinarily well the country was served by the Divisional Officers and their staffs. It was those officers and staffs who were really doing the work, while they in London were more or less a recording body.

With regard to the pitwood purchases there was one thing he would like to refer to, and he thought it might perhaps be of special interest to some of those present.

Some of them might recall that certain ignorant and unkindly people suggested at one time that the high price of coal was largely due to the excessive price which wicked landowners were extorting for the standing pitwood which was being purchased on their estates. Taking the whole of the figures for 1916, 1917 and 1918 up to the Armistice—taking the whole sum—it was found that one ton of pitwood went to the production of 71 tons of coal, and that the standing pitwood represented less than $3\frac{1}{4}d.$ in the price of the ton of coal. The price that the landowner or anyone else got for the standing pitwood was less than $3\frac{1}{4}d.$ per ton of coal, which he thought disposed of the accusation.

The natural question they had to ask themselves after hearing of the tremendous consumption of timber, in a country that was accustomed to fell very little, was the amount which might be left. Detailed figures of a really accurate nature as to the amount of timber remaining in the country were not available, though efforts were now being made to obtain them, which he had no doubt would lead to satisfactory results. But a flying census was made in the spring of 1918, and in those cases—and there were a number of them—in which it was possible subsequently to test the accuracy of that flying census, when large blocks of timber were afterwards purchased and felled by the Department, it was found that the inaccuracy was surprisingly small. If one block had been overestimated, it was invariably found to have been counterbalanced by another block which had been underestimated, and so on. It might be assumed, therefore, that the totals were not very far out. The results were rather interesting. The figures that he had to give might be taken as relating to April, 1918, and since that date some 50,000,000 or 60,000,000 cubic feet in all had been felled, and, of course, on the other hand there had been the normal increment, for a large amount that was shown as pitwood and so forth in the flying census had grown into bigger stuff by now. The census returns were classified into convertible timber (soft wood and hard wood) and pitwood (soft wood and hard wood). The returns were made in the first place by the different Divisions, but he

would not trouble the meeting with the divisional totals; he would simply give the aggregates for the United Kingdom. It was found that at the time stated there were 330,000,000 cubic feet of soft wood of convertible size left standing, and 418,500,000 cubic feet of hard wood of convertible size. The hard woods largely preponderated in England. Of pitwood, the soft wood standing was 679,500,000 cubic feet, and the hard wood 244,000,000 cubic feet. The totals showed—

	Cubic feet.
Convertible timber (soft and hard)	749,000,000
Pitwood (soft and hard)	923,500,000

or approximately 25,000,000 tons. Those figures must be taken as approximate only, but they were the aggregate results of the flying census of April, 1918, the accuracy of which had been verified as far as possible.

The only further point of detail he would like to refer to concerned the subject which had been so conspicuous in Mr. Pritchard's Paper, namely, the supply of pitwood to South Wales. South Wales took just over one-third of the pitwood requirements of the United Kingdom, and it was the one coal-field in which great difficulty might be anticipated in maintaining the supply of pitwood in the event of another great national emergency. That was because the amount of pitwood standing in 1918 in the group of counties from which the supply of South Wales could most conveniently be drawn yielded less than eighteen months' requirements of pitwood, which would mean that other more distant districts, better off relatively to their requirements, would have to be drawn upon to supply the needs of South Wales, and very considerable transport problems would have to be overcome.

The possibility of the country insuring itself against disaster through the failure of the supply of pitwood to keep the mines going in the event of another great war was interesting. It was found that to be entirely independent of imports of pitwood would require the annual planting or replanting of about 100,000 acres (he assumed that conifers were planted). Such a course would in an emergency make the country entirely independent of foreign supplies for

pitwood. It was a point worth bearing in mind, he thought, when forestry policy came up, as it must come up again from time to time for discussion in Parliament.

He was afraid that, instead of devoting himself to the vote of thanks which the Chairman had called upon him to propose, he had been adding in a slight way to Mr. Pritchard's Paper, and for that he apologised. But he would like to assure Mr. Pritchard that it was a great pleasure to him to propose the vote of thanks. He had the most pleasant recollections of working alongside Mr. Pritchard during some of those strenuous years of the war, and he hoped that the future might still offer opportunities of not only associating with him on such occasions as the present, but of working with him in the effort to replace some of the devastation which the war had wrought. He begged to move the vote of thanks.

SIR RICHARD REDMAYNE, K.C.B. (Honorary Member), said that he had great pleasure in seconding the vote of thanks which had been moved in so interesting a speech by Colonel Courthope. He would also like to acknowledge his indebtedness to the author of the Paper, Mr. Pritchard, for the work he did in maintaining the supply of pit timber to the mines of the South Wales coal-field during the war. He did not quite agree with Colonel Courthope when he said that the South Wales coal-field was the most difficult to maintain in respect of timber supplies to the pits, but what he would say was that it was perhaps the most important. The most difficult districts to keep supplied with pit timber were the more internal districts of Staffordshire, Shropshire, and Warwickshire—but South Wales, of course, with its Admiralty coal, was perhaps the most important in the United Kingdom, especially in time of war.

The speaker was afraid that, like the proposer of the motion, he too must depart a little from the particular task entrusted to him and add a little fresh matter. At the commencement of his Paper the author said: "It is impossible for me to set out in any detail the reasons which led, in the first instance, to the setting up of the

“organisation to deal with the timber supplies of the country, or to describe the various bodies who in succession had charge of the operations.”

With the Chairman's permission he could fill in that *hiatus*, as he had a good deal to do with the work in question. Early in the history of the war it became absolutely necessary to organise the whole of the coal-mining industry if the necessary number of men was to be supplied to the Army. No less than 300,000 miners went voluntarily into the Army in the earlier part of the war, and when one considered that that number was taken from about one million persons employed, the great strain upon the industry would be realised. Before the conclusion of the war about half a million men had left the mines for the fighting forces.

In February, 1915, therefore, the Home Secretary on behalf of the Government established the Coal-Mining Organisation Committee, composed of leading representatives of the coal-owners and miners under the chairmanship of the speaker himself. Quite early it became obvious to the Committee that something must be done to organise the timber supplies for the mines. Colonel Courthope had said that foolish critics existed who stated that the rise in the price of timber had occasioned the rise in coal prices. The people who made those remarks, however, were easily to be confounded by the fact that the selling price of coal, other than export, was limited to an advance of 4s. per ton above the pre-war rate. Thus there was no great rise in coal. But the cost of timber did increase by some 500 per cent. At the same time, it had to be remembered that much the same increase was registered with regard to other materials, so that he did not think it could ever be said justly, in all the circumstances, that the price of timber was excessive, and the fact that it was not excessive was to be attributed to the control exercised over it by the State.

The annual consumption of timber at the mines in the United Kingdom in normal times was 4,500,000 tons, four-fifths of which was imported from abroad, and valued at three and a half million pounds sterling. Those figures showed the immense importance to the coal-mining industry

of its being possible to draw upon a home supply in time of great national emergency, such as the late war. In 1916 the quantity of imported timber had fallen to two million loads—a load was equal to about a ton—and the value of that imported timber was seven million pounds sterling. Scotland was normally largely supplied with pit timber from her own forests, England hardly at all. The coal-fields of England were supplied normally from Northern Europe, and large quantities of timber also came from France, Spain, and Portugal. To the credit of the two latter countries, he it said that when it became extremely difficult to get timber from the Baltic, Spain and Portugal did what they could to assist the situation—especially our ancient ally Portugal. France, more particularly, was drawn upon to meet the emergency in South Wales. In that field a large heavy timber, much more bulky than that used in the northern collieries, was employed, because of the character of the coal measures—a point into which he need not enter that evening. Much of the timber trade with Northern Europe—Sweden, Norway, and the Baltic—was normally bound up intimately with coal exports. That was an important point in view of the pressure—coal pressure—ultimately used to secure timber supplies through neutrals. They were told that they would be refused coal unless they brought in timber. Normally the vessels which brought in timber cleared with coal cargoes.

In view of the great rise in the price of timber—which was the factor which led the Coal-Mining Organisation Committee to take action (and rise in price was indicative of shortness in supply)—that body came to the conclusion, early in 1916, that it was advisable to organise the home-grown timber industry so that the mines might, to a large extent, be rendered independent of imported timber. The main difficulty to be overcome before the home-grown timber trade could be put upon a proper footing was lack of cohesion among the forest-owners and the timber merchants; another difficulty was the lack of expert labour for felling and sawing up the timber. A conference was therefore called at the Home Office in February, 1916, which was attended

by representatives of the Board of Agriculture and the Board of Trade, the forest-owners, and the merchants in the home-grown timber trade, and by the coal-owners, and the situation was discussed. In March of that year the Coal-Mining Organisation Committee met in Edinburgh to confer with the representatives of the Scottish coal-owners, the Scottish forest-owners, the Scottish timber merchants, and the Royal Scottish Arboricultural Society, as to the means to be taken to place the timber on the market on terms which, while profitable to the timber interests, should not be extortionate from the point of view of the coal-owners. Seeing that the Committee had to deal with three sets of Scotsmen, it was an exceedingly difficult job, for the various interests concerned argued ably and intensely. But something of an understanding was arrived at, though at that time not a complete one; the outstanding question was that of price. On April 10th another conference was held at the Home Office, attended by representatives of the Board of Trade and of the Board of Agriculture, under the chairmanship of the Parliamentary Secretary to the latter Board (Mr. Dyke Acland). At the conference it was agreed to set up a Central Joint Committee, to be the central committee to which all the district committees—of which he would speak in a moment—were to go in face of difficulty or trouble. That committee took up the question of prices in the Scottish trade, Mr. Acland being appointed arbitrator, and a schedule of prices was fixed.

Mr. Pritchard had said that they did not know what were the requirements of the collieries. In making that statement he was not quite correct. A census was taken of the requirements of every colliery in the United Kingdom; the inquiry embraced the requirements in point of sizes, lengths, diameters (tops), and so forth. Very elaborate returns were forthcoming, all of which were codified, tabulated, and acted upon.

On the advice of the Coal-Mining Organisation Committee, the Home Secretary appointed a special committee in each coal-field to investigate the position of the supplies, and to provide information for the Central Joint Committee

as to the quantities and sizes of the pitwood required. There were eight of those committees; they were constituted with the Divisional Inspector of Mines as chairman, several coal-owners, and representatives of the forest-owning interests and the Home-grown Timber Committee, the latter an organisation which was established under the Board of Agriculture and did some very admirable work. Eventually the whole country was divided by the Coal-Mining Organisation Committee into areas under the supervision of those committees, and no coal-field was allowed to go outside its own area for the timber of other areas. That was a work which required a great deal of very careful handling, owing to the great difference existing between areas in respect of the extent of the forests. The work of the district committees eventually was largely to act as safety committees, viz., to see that the collieries were sufficiently supplied with timber, that one colliery was not over-supplied while another was under-supplied, but that all were sufficiently supplied. Another important duty was that of inducing the coal-owners to organise themselves into associations for the acquisition of forests and the cutting down and dealing with the timber. In that they were successful.

The task of organising the home timber supplies was much hampered by the lack of proper statistics as to the woodlands of the United Kingdom. He did not know whether any compilation had been made since, having for its object the showing what were the actual timber contents county by county, but it certainly was a piece of work which would be invaluable were they ever involved in another great war, which God forbid! They were, however, provided with a woodlands map, not as complete as might be, published by the Board of Agriculture, and this was sent out for the guidance of the local committees and was of assistance to them.

Another difficulty which the Coal-Mining Organisation Committee had to face was lack of labour; they came to the conclusion that there were probably among the German prisoners of war a considerable number of men efficient in

practical forestry work. He was glad to hear Mr. Pritchard's testimony to the efficiency of this labour, which coincided with other experience. He (the speaker) acting on instructions from the Home Secretary attended a conference at the War Office, and put forward the position as from the mining point of view, and eventually succeeded in getting a promise to a contribution of 1,000 German prisoners for felling and cutting of timber. He did not know they ever came quite to a thousand. The War Office stipulated that they should be in gangs of a hundred or so, under proper military surveillance.

After two years' existence the Coal-Mining Organisation Committee passed into the Coal Control, which was established in February, 1917. The position with regard to mining timber early in that year became very grave indeed, owing to the intensification of the German submarine campaign, the effect of which on the import of timber would be realised when it was stated that no less than 3,600,000 tons of shipping per annum were required for the transportation of the normal supplies of timber drawn from foreign ports. The Coal Controller added to each of the district committees an "economic" mines inspector to differentiate him from the permanent mines inspector. Sir Bampffield Fuller was appointed by the Government Director of Timber Supplies in May, 1917, and he was shortly afterwards succeeded by Mr. (afterwards Sir) James Ball as Controller of Timber Supplies. At that time the organisation as to pit timber supplies, which had been devised by the Coal-Mining Organisation Committee and later extended by the Coal Control, passed (with the pit timber staff of the Coal Control), by an arrangement come to between Sir James Ball and himself, over to the Timber Supplies Department. The Timber Controller and himself kept in almost daily touch with regard to timber supplies, and so far from engaging in any criticism whatever of the work of the Timber Control in not meeting the wants of the collieries, he had nothing but praise for its efforts in that respect, and he was delighted to have this opportunity of expressing in public his appreciation of the excellent

work which Mr. Pritchard and his fellow Divisional Officers had carried out in the districts.

He apologised for what might be considered certain digressions, but he thought it would be interesting to fill in certain of the blanks left in the history of events recounted in Mr. Pritchard's admirable Paper. He had dealt with the subject at rather undue length, but he thought the members would like to have the picture completed, as it were. He had great pleasure in seconding the vote of thanks.

Mr. R. L. ROBINSON (Visitor), Forestry Commissioner, said that it gave him great pleasure to associate himself with the previous speakers in thanking Mr. Pritchard for his most interesting Paper. Reference had been made to the work of the Timber Supply Department in its early stages. He supposed that the very first act was a request which came through by telephone from the War Office to the Office of Woods to supply 500 tons of firewood the next morning, as it was badly wanted in France. That was not quite possible, but the Office had, down in the Forest of Dean, a good stock of wood which was on rail in the course of a couple of days. Subsequently there came the great business of timber supply on a large scale, which Mr. Pritchard had described. Before that, however, a considerable amount of charcoal and firewood had to be supplied to France all through that first winter, and he thought that one or two men in the Office of Woods had carried out that work extraordinarily well, considering how totally unprepared they were.

When one thought of the amount of pitwood actually used, it seemed ridiculous that on six weeks' work three or four Divisional Officers and one or two inspectors of the Board of Agriculture should have had to make a census of the stocks of pitwood in the country. It rested with him (the speaker) to write up the bulletin which described the amount, and he managed, he thought, to give it an air of verisimilitude, and as it turned out, the estimate happened to be approximately correct! Had they been prepared and organised a little better for forestry operations, they could have saved the greater part of that £4,000,000 loss on home-

grown timber which was attributed, rightly or wrongly, to the operations of the Timber Supply Department.

Mr. Pritchard had told them that the Timber Supply Department was at the beginning a plant of extremely slow growth. That was so; but suddenly, in one night almost, it shot up like the miraculous beanstalk, and Mr. Pritchard was one of the gentlemen who ascended its branches and went out like Jack the Giant-killer to tackle the western giant, the great Coal Industry, and he did it very well; in the end the giant was feeding quite placidly from his hand. Whether Mr. Pritchard succeeded, like the hero of the fairy story, in getting the giant's hen, his Welsh harp, and his money-bags there was no record, but he suspected that he did not succeed with the money-bags.

It was quite evident from what they had been told by the various speakers that evening that the timber supply business was a very big undertaking, and that in the long run the home supplies of timber contributed not a little to success in the war. One could not assess that contribution with any degree of precision, but it was substantial. Consequently, when the war came to an end, they determined that they would not be caught again, and that excellent frame of mind continued for the full space of a year. But during the last year or so those who had to deal with forestry matters had been gravely concerned because they thought they saw the initial effort at reconstruction slackening. They were told there was nothing in forestry. They knew that was not correct, but there it stood on paper. The Forestry Commissioners had to go before the Government and plead for the work to be allowed to proceed, and as a result they would now be permitted to go at half-speed, but instead of planting 100,000 acres per annum, as Colonel Courthope had suggested, they might perhaps plant 10,000.

He was interested to see what their friend the enemy had to say about their efforts at forestry. In the *Times* of 17th November last there was a good leading article on the meeting of the Empire Forestry Association in London which took place on the previous day, and in one of the German periodicals some rather amusing comments were

made on the article. The writer was Forstrat Müller, who made the following characteristic remarks :—

“Able and enterprising men are taking the greatest pains to impress their people with the importance of forestry in the hope that the British realm may become self-supporting in this important natural product. It is doubtful if they will succeed. The English clearly lack the love, mingled as it is with something of sentiment and mysticism, of the Germans for their forests.

“To this native sentiment is due the call to our young men to take up a career which offers few prospects of wealth; to this sentiment is due also the faithful, meagrely paid labours of our veterans, and the determination with which each forester guards and protects his forests. Without this conception, based as it is on inner mood and spirit—which has nothing whatever to do with forest mensuration, utilisation, compound interest calculations, &c.—we should be in as parlous a plight as are the English with regard to their forests.”

Herr Müller, after translating an article on “Forestry and Unemployment,” which appeared in the *Times* of 3rd November, 1921, added the following comment to his translation :—

“Tenacious and persevering though the English may be, this task of creating forests as a partial means of reducing unemployment is beyond their strength as well as their capacity. This cry of alarm in the *Times* will remain unheard, like many an earlier one. We, however, may congratulate ourselves that in one single respect we are ahead of our enemy, and we desire to maintain and increase the heritage of our fathers for the benefit of our people.”

One did not like to agree with one's enemy, but certainly there was enough in that statement to cause one to think, and he looked to Colonel Courthope to back up their cause in Parliament, and to carry forestry forward.

The SECRETARY read a telegram which had been received from Mr. M. C. Duchesne (Fellow), expressing his regret that through illness he could not be present to support the

vote of thanks to the reader of the Paper. The SECRETARY added that they would all feel much regret at the absence of Mr. Duchesne, who was so greatly interested in all matters connected with forestry. When, a short time ago, he underwent a serious operation, they had hoped it would have prevented any recurrence of those attacks of illness. They would all hope that the set-back was merely temporary, and would wish him a speedy recovery.

The CHAIRMAN said that there were several others whom they would have liked to have heard in the discussion, but he must refrain from calling upon them owing to the lateness of the hour. It was very pleasing to them all to know that Mr. Pritchard, who had been so justly praised by Colonel Courthope for the invaluable work he had done during the war, was a Fellow of The Institution. They were indebted to Mr. Pritchard not only for his excellent Paper, but for stimulating so interesting a discussion. He was sure that the vote of thanks would be carried with acclamation.

Vote of thanks accorded with acclamation.

Mr. PRITCHARD said, in reply, that the Chairman had alluded to the lateness of the hour, and therefore he would not detain the meeting further, except to thank the proposer and seconder and supporter of the vote of thanks for the Paper. He could only apologise for the Paper's incompleteness. It was not a perfect record at all, and he believed and hoped that some day an absolutely reliable record would be forthcoming, showing the timber production of the country, and the uses to which it was put, including not only trivial uses, but uses of national importance. Such a record should be made and kept, so that future generations would be able to see the importance of having a national forest policy. He felt sure that even a casual glance at the figures brought forward that evening would prove definitely to everyone that insurance was undoubtedly the best policy.

Sir Richard Redmayne had gone, but he would like to

controvert one statement he had made. He had said that the price of timber increased 500 per cent. That was contrary to fact. It did not increase to anything like that extent. So far as South Wales was concerned, the highest figure was 67s. 6d., not much more than 300 per cent. above normal, and that was at the very end of the control period, when wages and other costs were at their highest. The price in the earlier part of the war was only from 100 to 200 per cent. above pre-war level.

The meeting then terminated.

PAPER 469.

AGRICULTURAL VALUATIONS.**By Robert Cobb (Fellow).**

To be read at the Ordinary General Meeting of The Surveyors' Institution on Monday, 8th May, 1922.

When Mr. Goddard suggested that a Paper with the above title would be of interest, at any rate to country members, and went further and asked me if I would be willing to be the author, I was genuinely pleased to be able to fall in with the proposition. An old saying first occurred to me that "Fools step in where angels fear to tread," and, for this obvious reason, I thought no other member of The Institution would take my place. But, Gentlemen, in spite of the criticism that I am sure and indeed hope my Paper will evoke, I am delighted to undertake the attempt, first, because it is a subject full of absorbing interest to me, and, secondly, because I think that in the past it cannot be denied that this branch of our profession has not met with the consideration it deserves from the general public. I consequently welcomed the chance of airing the subject, and of assuring the agriculture members that it is regarded as an important one in the eyes of the Council, a fact which is further exemplified by the adoption of "Agricultural Valuations" as the typical subject of the Land Agency Sub-Division of the Final Examination.

I am proposing to deal as far as possible with the subject from the point of view of the usual tenant-right valuation as commonly found at the end of any tenancy, and do not propose to dip into the more intricate items comprised in the improvements scheduled under the Act, nor into disturbance claims. For one reason The Institution has had the advantage of listening to more able Papers on the Act

dealing with these points, and for another, there is ample scope for a separate Paper at another time on these two branches.

Agriculture was during the early part of 1920 considered one of the principal industries of the country, and, as a natural corollary, the importance of valuations connected therewith must naturally be enhanced; in fact, such valuations have almost become a science, and should, in some of its branches, develop yet more as a science. It cannot, however, be treated as a science alone, for practice must enter largely into the questions to be decided, perhaps, indeed, to a greater extent even than science. For this reason I have always thought that an agricultural valuer who is also a farmer is better qualified than one who is not, as his experience is the finest practice obtainable. In some districts—Scotland in particular—I believe farmers act as valuers between the parties, but in such cases their valuations are based on practice only, and are devoid of the necessary theory and science, such as is obtained by the business experience of agricultural surveyors in England.

I suppose the Agricultural Holdings Act, 1875, was the foundation of the prominence and importance of agricultural valuations, as it was under this Act that the Legislature first laid down that a tenant who carried out his duties was entitled to be paid for what he left behind for the benefit of his successor. Presumably before this the outgoing tenant took away as much as he could and left behind as little as he could, and “hold-overs” and “pre-entries” were more common than to-day. This principle was further developed in 1883, and ever since, right up to 1920, various Agricultural Holdings Acts have been passed, nearly the whole of which affected in some way or other the agricultural valuer. So much has this been the case that Mr. Leslie Wood, in his book on the subject, says a valuer must now acquire the most logical reasoning, and must keep abreast of the times or fall back in the race for success; the last Act renders knowledge on the practical side more necessary than ever before. One thing is certain, valuers must get more into the habit of making valuations,

and not bargains, and the Royal Agricultural Society's motto, "Practice with Science," should also be the valuer's motto.

I had the pleasure of being at the Auctioneers' Institute a few weeks ago, when Mr. Whittindale read his able Paper on "Farm Valuations." He referred to the old days when the first question on meeting used to be "Where are we going 'to lunch.'" This may sound irrelevant, but I feel quite sure, if that was the spirit in which we entered upon all our valuations, it would save a good many arbitrations and be beneficial also to our respective clients: it would create a better feeling and help the spirit of fairness.

The latest Agricultural Act of 1920 tends to lead one to the conclusion that local custom is not always the fairest basis of true compensation, as references therein are usually to the effect the improvement has on the holding, and not necessarily to the finance of either tenant. This perhaps applies more particularly to compensation for improvements proper than to a tenant-right valuation, but in both cases I am inclined to think the general basic principle of all agricultural valuations should not be the effect as between tenant and tenant, but as between tenant and landlord, or, in other words, the tenant and the land. This in many instances may be a different proposition. The difficulty, of course, has been, and still is to some extent, how can a local custom whether governed solely by custom or agreement be altered, as the general axiom that as a tenant goes in so should he go out must hold, and the only way this string of custom can be snapped is either by the landlord taking the farm for a year and altering the basis of incoming tenant-right to a new tenant, or if the principle of valuation is to be altered to the incomer, by paying the outgoing tenant any difference to which he may be entitled. Neither is perhaps a very inviting proposal from the landlord's point of view, but we probably all know of cases where the latter has happened. This possibility of conforming to more general principles has been easier of late on account of the number of tenants purchasing their own holding and becoming their own landlords, and free, there-

fore, to make their own terms with any future tenants, unfettered by custom or the old landlord's agreement.

Lord Clinton says the very rules of the 1920 Act tend to grade up the practice of good husbandry and not necessarily to follow merely the existing standard; in certain parts custom does not exist, and in others it is demoralisingly low: he begs valuers to act up to the spirit of the Act.

Having disposed of the general principles of an agricultural valuation as it appears to me, not as any hard-and-fast definite opinion, but merely as a basis for criticism and discussion, may I turn to the chief elements of valuation, and deal with each separately?

1. Hay and Straw.

Here perhaps are the simplest of all the problems which generally resolve themselves into measurement, which cannot vary in any locality, to arrive at tons and cwts., though the questions of height and density of stacks are generally open to difference of opinion. There are, however, especially as regards straw, various customs as to the method of valuation. Generally it is taken at a market or feeding price; the former should be plain sailing, though valuers are found at variance as to whether the market price means at the nearest town or at the farm, both plausible arguments, one party contending market price means at the market plus cost of carriage to the farm, the other that it means in the market minus the cost of carriage from the farm: the latter being the right view to my mind. The feeding or consuming price, is, I presume, the value for the purpose of feeding to the animal and conversion to manure, and is generally taken at 2-3rds of the market price in the case of hay and 1-3rd in the case of straw. Is this altogether right, as we can conceive the market price of either being high, and the general run of feeding stuffs being low? How often too do we find practical valuers declining to see, much less measure, any straw-ricks taken at feeding value, merely asking the acreage and the crop of grain grown, often not even the latter, and arriving at the value at so much per acre. This must sometimes prove an inaccurate

method, as strictly—even if feeding price is to be adhered to—it should depend on the actual quantity of straw and not upon what there ought to be according to acreage or grain.

Should not the feeding value be based on the value of the chemical analysis of the result of feeding? For instance:—

The feeding value to the animal per ton;

The manurial value after being fed per ton;

The mechanical value to the soil per ton;

no reference being made to the value of the straw as such.

As far as hay is concerned, the market and feeding values exhaust the methods of taking this over; but in reference to straw there are one or two other methods which might prove of interest:—

1. The incomer takes the straw over for nothing, provided he does the threshing and marketing. If any were threshed before Michaelmas, he would pay for the cost of threshing and marketing and take the straw. The objection to this is that for some reason the grain may be expensive to thresh and the straw either worth very little or of a small yield, when the financial difference might be large.

2. Straw is taken by so much per quarter for the grain grown. Here, again, this is a rough and ready method, but not necessarily accurate, where the proportion of grain has been excessive compared with the straw, and *vice versa*.

3. In another district it is customary for the outgoing tenant to feed off all the straw he can to the usual average head of stock, when he would be entitled to sell the remainder. This seems to be a doubtful practice, and it encourages a dishonest tenant.

4. Straw is consumed by the outgoer as to half or two-thirds of its growth free of charge and the remainder left at feeding value. This, of course, can apply only to Candlemas and Lady Day tenancies.

5. Straw is taken at market price for a fixed area and feeding price for the remainder. I presume this is to prevent an excessive acreage of straw being grown.

6. If straw has not been consumed by the outgoer by the

1st May, it is left to the incomer without charge; this applies where "hold-overs" are still in existence.

I think under this heading it can be safely assumed that market price as a general custom is coming far more into practice, and I am convinced in my mind that this is the most correct and fair method.

It is also becoming a too common practice for the outgoing tenants, in the last year, to sell off their straw, admitting a claim for the manurial value thereof. This, I do not think, should be encouraged, as although the actual cash difference may be adjusted by the valuer, the incoming tenant is often seriously handicapped for litter, &c., by the absence of straw, and until recently, I believe, it was by no means general that any allowance was added for mechanical value of straw removed: not an unimportant item on heavy land.

Chaff and cavings are usually valued at so much per quarter of corn threshed, and in feeding price valuations half the thatching bill is often added.

2. Farmyard Manure.

The three methods by which this is usually taken are:—

- (1) Market price;
- (2) Spending price;
- (3) Left free of charge, labour expended thereon being paid.

Here, again, I feel No. 1 is the fairest method, especially having regard to present prices, as to my mind a tenant leaving the straw in a dung mixen, and being paid a generally inadequate price for the manurial value of the feeding stuffs, is bequeathing to the land more than he is repaid. If a good farmer who keeps plenty of stock knows he is to be repaid the market price of the manure made, he will continue to keep stock up to the end; but we know in practice this is not always done, as in many seasons' feeding animals in the yards produces no profit except in the shape of the manure made, and if this is to be left for nothing, the

farmer will turn as little of his straw into manure as possible. There is another point in connection with the manure valuation. Are we correct in insisting that the straw grown in the last year but one should be left in proper mixhills for the benefit of the incoming tenant? Scientists tell us that the best results from manure are to be obtained by using it "green," and not by leaving it for six months exposed to wind and sun, thereby allowing loss by evaporation. If the scientists are right, would not the incoming tenant be getting more benefit if the last season's dung had been used? I know the reason of the custom is to prevent the outgoing tenant having the first year's benefit of the dung, and I have often been dilapidated for this. If this view is correct, it seems to me agriculture as a whole would benefit by an alteration of the custom, as the land would get the green value of the dung, which is supposed to be higher than the six-months old value. Here, again, as I said earlier in my Paper, this can be remedied only by the landlord or owner-farmer on change of tenancy, but once altered would be as equally fair as the present method. There is another factor connected with the valuation of manure of which I think we are inclined to take too little notice, and that is the amount of fermentation that has occurred. We measure mixens and price with too little regard to this factor, as a newly made mixen will measure largely and a well-rotted one the reverse; and in my experience not sufficient difference is made, though this might be done by an alteration of the divisor as in the case of hay-stacks.

Valuations of yard manure are really done by customary methods and not true methods, although I doubt if many valuers would admit it. We have been used to saying so much a yard or load; but how many of us have ever analysed and valued at per unit of nitrogen, phosphate and potash, and yet most of us nowadays would probably take this precaution in purchasing artificial manures. I must admit, however, the ideal method is, as yet, hardly possible in practice, but the day must come.

I have not dealt here with unexhausted values, which I will mention later.

3. Cultivations.

These nowadays often form the major portion of any valuation at certain seasons of the year, and certainly require as much practical knowledge as any part of the subject: knowledge not only of the actual operations carried out, but also whether all or any of them were reasonably required for the particular crop.

One often finds that in order to swell the amount of a valuation the outgoing tenant performs acts of cultivation which are entirely unnecessary, or which in the ordinary course of his own farming operations, where the financial result was to affect his own pocket, he would not have performed, or, again, four horses are put to plough where two or three would have answered the purpose. In my opinion these attempts at swelling valuations are waste of money to both sides—to the incoming tenant, because however careful a valuer may be, if such an attempt is made, some portion of the claim is almost bound to succeed, and to the outgoing tenant, because although he may get paid more than the operation is worth to a particular crop, I will guarantee the operation has cost him more.

This last remark leads me to another point. I think from several years' experience both of agricultural valuations and of farming itself, in valuations of cultivations and tillages, the prices invariably favour the incoming tenant, and I do not think, except in those cases where actual piece-work prices are paid, we put our cultivation figures high enough. To my mind the chief reason for this is that we have got into a somewhat stereotyped method of taking certain acts of tillages at a certain price, and not sufficient weight is given to the "dead" time of horses and men and of the curtailment in the number of working hours. Take, for instance, in an ordinary Michaelmas entry: it sometimes occurs that a tenant wishes to leave at Lady Day, and an incoming tenant is found who is ready to take over at that time rather than wait until Michaelmas. A valuation is made of tillages, &c., in the usual way, but I am quite certain that if the total were compared with the keep of the

horses, the wages paid, and the repair of implements since the preceding Michaelmas, the latter would be far in excess of the former. But why should it be, as after all almost the whole work of the farm for that period would be in respect of the cost if not the benefit of the next crop, which is to be the property of the incoming tenant? Of course I know allowances must be made for keep of stock and even for clearing up to some extent the preceding crop, but I am only speaking generally. It is in this matter of the valuation of cultivations that I should like to contribute my meed of praise to the National Farmers' Union, of which I am also a member, in recognising the invaluable help many farmers have given to us valuers in trying to arrive at a basis for valuation of tillages. None know better than the man who pays what a thing has cost, and I am sure, here again speaking generally, a farmer's valuation of tillages will be in excess of a valuer's figures. If I have any fault to find with the National Farmers' Union it is that they invariably are on the side of the sitting tenant, regardless of the fact that often one of their own members is taking the farm. There are, of course, adjustments always to be made which only valuers with experience can make, but to take, as an example, a simple four-horse ploughing in an agreed field, and then ask a farmer or valuer to price it, in nine cases out of ten the former will be the higher. In the old days this used to be a simple matter, and prices were such that an error one way or the other was not serious; but nowadays it is different, with the rules and regulations of the Conciliation Committees, overtime, and even ages of men (their capability does not seem to matter), the subject is full of complications. Many practical men are inclined somewhat to sneer at the efforts that have been made to arrive at fair "costings" in respect to various crops. I had the honour of being selected by my Kent Valuers' Association to serve on a special costings committee of the Central Valuers' Association (which has done so much to raise the status of a tenant-right valuer in the eyes of all agricultural bodies, as well as the Ministry and the general public); and although we were unable to arrive at any set of figures that could

be uniformly adopted, I found the attempts absorbingly interesting, and I am convinced that such costings are to be a great benefit to agriculture, and of supreme assistance in arriving at a fair basis for agricultural valuations. It was really surprising to see the difference of opinion that existed as to the figure at which the same operations in various parts of England should stand.

Perhaps this fact brings us to the last point in this part of the subject, and that is upon what basis should these tillages be valued. Surely, broadly speaking, they should be the cost to the man who performs the operation, provided, of course, such operation is necessary; and the cost to him must be the cost of labour, both manual and horse, per hour per day, calculated over the time it takes to do such particular act of tillage. Though perhaps it may sound elementary, may I just enumerate what has to be taken into consideration when arriving at the cost of a man and horse?

(A) *Man* :—

- (1) Standard wage as fixed by the Conciliation Committee, and hours as varied in winter and summer;
- (2) Rent of cottage and other allowances;
- (3) Overtime and the rates to be paid if any necessary (this is not inconsiderable in the case of a horseman);
- (4) Time occupied in getting to the particular work, which would reduce the time at the work;
- (5) Necessary "dead" time to be spent in taking implements to be repaired, horses to be shod, or on account of weather or illness.

After allowing Saturdays and Sundays, this should give the cost per man per working day.

(B) *Horse* :—

- (1) Food;
- (2) Shoeing;
- (3) Veterinary expense;

- (4) Renewal and depreciation of animal ;
- (5) Interest on cost of ditto ;
- (6) Renewal and depreciation on harness and implements used ;
- (7) Interest on cost of ditto ;
- (8) Items 4 and 5 of paragraph (A) above.

Here again, this gives the cost for working day, and the cost of the combined two calculated over the time it takes to do the particular operation would give the cost of the tillage ; considering the time one must bear in mind :—

(c) *Time* :—

- (1) State of weather ;
- (2) Soil ;
- (3) State of ground ;
- (4) Possibly the particular crop.

I am afraid I have gone rather fully into “costings,” but even so I have touched only the fringe, and have purposely avoided debatable details and figures. As we see above, the basis of arriving at a preliminary foundation may be difficult, but having once fixed this, the method of arriving at the valuation is easy, provided the valuer has practical experience of the various operations. To arrive at a uniform figure is, I think, impossible, as custom in respect even of the keep of a horse, and certainly in the method of conducting the operations, varies so much, but in local areas this ought to be easy.

The acme of simplicity would be for every item of cultivation to be paid for at piecework ; but this, of course, is impossible, and in practice is losing ground, chiefly, I think, owing to the action of the Workers' Union ; but our clients who are outgoing tenants could assist in a large degree by keeping during the last year some sort of diary or summary of expenditure in reference to the items for which they wish to be paid. To take one detailed instance, often in trying to arrive at the cost of hoeing roots, a tenant will say, “Oh, “I don't know ; you can estimate what it usually costs.” One has no idea of the state the land was in, the weather and the men, and as such an opinion may vary from 15s. to 50s., the

margin left to the discretion of the valuer is somewhat large, and it is strange how weedy some fields might have been, and *vice versa*, when it suits us.

In dealing with fallows, some districts add rent and rates, and some do not; in my opinion they should be universally added, as they are obviously part of the expense of cultivation. To freehold-property auctioneers who are not tenant-right valuers may I add a word of warning as to the valuation clause to be inserted in the sale particulars of land in hand? "Equivalent to rent and rates" should be added, as I believe it has been held judicially that if land is in hand no rent is paid, and it cannot, therefore, be charged. It is often customary only to add the rates on the land, omitting those on the buildings, but it seems to me a proportion of the rates on the latter should be added too, as they are just as much an outgoing in connection with the land as the rates on the land itself. The rent is not separated, so why the rates?

Under this heading, perhaps, one might just mention the subject of roots, such as mangolds, swedes, &c.; these are valued almost universally at the cost of growing and not at their market value. The principle of this might be equally argued both "for" and "against," and I agree the elements of chance as to the result is perhaps rather dominant; but to my mind the principle is correct, and bears out what I said at the beginning, that the effect on the land should be considered and not the tenant's finances; the effect of all the cultivation of roots must be beneficial to the land. The reason of this method is, of course, obvious, and is the outcome of the old custom of "pre-entry," still, I believe, in existence in many counties, whereby the landlord or incoming tenant entered the farm and did the fallows and root cultivation himself; but now the outgoing tenant undertakes the work and charges in the valuation for it.

In the case of clover leys, the custom in some districts is that they are paid for, while in others they are not. Surely the value of ley must exist or it must not, and I think the custom or practice should be uniform. I believe in Surrey it is the universal custom to pay for leys, but I am also told

that the landlords are buying these out, and so probably the universal practice will be not to pay for them.

Hop Poles, Wirework, Fixtures, and Underwood.

These are all special subjects, and I do not propose to deal with them in a short Paper of this description, except to say that I think in these cases no detail in the inventory that can be given should be omitted, as when a change of tenancy occurs such details of identification are of infinite value.

Fixtures.

Perhaps I might add one word under the heading of "Fixtures." I think these might be treated a little more widely. This item is commonly confined to the fixtures mentioned in the inventory, but very often an outgoing tenant has erected something which is obviously to the benefit of the holding, and owing to this fact that a landlord or incoming tenant is not bound to take it over, it is pulled down and sold (being often purchased by the incoming tenant and re-erected) to the detriment of both fixtures and buildings. Of course I admit this is frequently done to enable one side or the other to get the advantage in price, but the practice seems to me one which should be discouraged by the valuer as far as possible. The Agriculture Act of 1920 to some extent simplifies this.

Yet one more point on the subject of fixtures. The landlords of some estates are inclined to make the tenant take over too much of what is almost freehold property, thus absorbing the tenant's capital, which could be better employed, instead of charging a little more rent and making the tenant keep such fixtures in repair. I know of one estate on which even the cottages pass from tenant to tenant.

Unexhausted Manurial Value of (1) Feedings Stuffs, and (2) Artificial Manures.

1. FEEDING STUFFS.—The valuation of these is generally based on (A) the cost of the particular food, or (B) the

calculated manurial value per ton of the residue, reckoned on the price of the chemical constituents.

(A) *The Cost Basis*.—This was, I suppose, the original method, and one that was probably adopted in the old tenancy agreements as science had not then fully developed the chemical analysis. Although not a method that would in any way give the correct value of the benefit to an incoming tenant, it would, to say the least of it, give some return to the outgoing tenant for an expense of which he admittedly does not get the full result. It has also the advantage of extreme simplicity, and saves an enormous amount of time and trouble in tenant-right valuations. The exact proportions vary slightly in different counties, but, generally speaking, it is 1-3rd of all cake, 1-4th of all corn, and 1-6th of all other feeding stuffs consumed, from which no crop has been grown. This used to be confined to purchased foods; in other cases a lower proportion of the cost of feeding stuffs used during the last year of the tenancy is paid, regardless of whether any crop had been grown therefrom or not. This was a particularly convenient, if not an accurate, method, as it saves all the usual trouble of investigation as to when and where such feeding stuffs were used.

(B) *The Chemical Analysis Basis*.—This of course is a much more accurate method and more readily justifiable on facts. By this system the residual manurial value of the principal feeding stuffs has been ascertained, originally, I believe, by Messrs. Laws and Gilbert in 1897, revised by Messrs. Voelcher and Hall in 1902, and several times since to meet the changing values. The percentages of nitrogen, phosphoric acid and potash were obtained from analysis, and their respective values in the chemical market were known; thus by a simple form of arithmetic the unexhausted value of the manure from the food was ascertained, it being assumed that 50 per cent., 25 per cent., and 25 per cent. respectively of the chemical elements referred to above were absorbed in the body of the animal during the passage of the food. This, as can be readily understood, is a far truer method of valuation, as the result is dependent not on the

price of the food, but in the value of what is left after the animal has passed the food, which after all is the chief point of interest to an incoming tenant. At the present time, valuers, or perhaps I should say the county associations, are not very consistent as to the percentages to be added to the original values for meeting the increased prices of to-day. I have met 100 per cent. to 50 per cent. increase, and I hope that shortly our eminent chemists will be able to give us a new basis of figures from which we can make a fresh start, and there is no doubt, with the increasing number of foods on the market, the list now available requires addition.

It may be thought that by pressing for this revised list valuers are asking chemists to do their work, but to my mind the valuer's work is by no means over when he goes to a farm armed with a tabulated schedule. It is only the foundation which can be laid by the chemist; it is for the valuer then to apply his knowledge or experience on the effect that different classes of animals have on various foods. For instance, young beasts or cows will leave far different residuals to fattening cattle, in the former cases often up to 25 per cent. is deducted; again, open or closed yards will affect the quality of the manure, and if one wants to carry the matter to a real finish, the soil to which the manure is applied might be considered: even now a difference is made between foods fed to stock on land and in yards.

There is, too, another value, and there is no doubt this is not inconsiderable in some classes of soils, *i.e.*, straw in heavy clays; some associations are already noting this, and 7s. 6d. per ton of wheat straw consumed is being added.

All this sounds complicated, but it really is not.

As to whether a more uniform method could be adopted, I should be glad of the opinion of others more experienced, but my own view is that only the chemical basis should be utilised, and as a guide the Central Association of Valuers should be asked to prepare a table of prices each year based on the current or some average prices, not of the foods concerned, but of their manurial residues after absorption in feeding. Now that the agricultural chemists have given us these proportions, the remainder should not be difficult.

Farmers ought to take more trouble and interest in these questions than they do, as I do not think they realise the financial difference a little book-keeping in the last year would make. We all know the trouble one often has at the time of the valuation to rake out the details sufficiently clearly to convince the opposing valuer of the real facts of a claim for unexhausted value of feeding stuffs, and it is the duty of the valuer, when he knows beforehand that he will act for an outgoing tenant, to impress on his client the records to be kept. We are often blamed for the delay in settlement of valuations; sometimes I admit it is our own fault, but more often it is that of our client; records should be kept of all foods given to any particular stock, the quantities, dates, and bills or vouchers filed in support of the figures: simplicity itself if done at the time; confusion itself if left till the valuation.

2. UNEXHAUSTED MANURES.—The compensation value of these is somewhat easier of estimation than the manurial value of feeding stuffs, as in the case of the former the value can more fairly be based on the original cost price, while in the latter the original value is partly lost in the consumption by stock. The universal method is that of adopting the original cost and adding to this the cost of carriage, cartage, and application, and taking a percentage of this according to the number of years since it was applied. Authorities vary in opinion as to what such percentages should be in the case of the respective manures, and I think here again, as I stated with regard to feeding stuffs, an occasional table compiled by some recognised body would be of great assistance to the valuer. To my mind the importance of this increases year by year, as the practice of applying artificial manure is growing very fast both in addition to and in substitution for the yard manure: of course any hard-and-fast rule as to percentages cannot be adhered to entirely, as the valuer must be called upon to consider the effect on the residues that may be occasioned by—

- (1) Particular crop grown;
- (2) State of the farm;

- (3) Time of application ;
 (4) Method of disposal of crop.

It is in this direction that I would urge more careful discrimination amongst tenant-right valuers, as I think it will be generally admitted that we are inclined to look up our tables and take the existing percentages, the history of the farm, &c., being considered of secondary importance. These tables of unexhausted value of manures are less studied and considered than those referring to feeding stuffs, and in the hope of drawing some criticism and some alternative tables, I give below one of the latest I have seen, taken from the recommendation of a Scottish committee appointed to consider the matter, and, as we all know, there is a great deal to be learnt from the Scottish farmer, as I believe I am right in saying very few farm for amusement only :—

	1st year.	2nd year.	3rd year.
Nitrate of soda, sulphate of ammonia	Nil.	Nil.	Nil.
Hair, horn, hoof, wool ...	$\frac{1}{2}$	1/4th	1/8th
Slag, bone meal, guano ...	2/3rds	1/3rd	1/6th
Kainit and other potash ...	$\frac{1}{2}$	1/4th	—
Chalk and Lime are usually taken on the 12 and 6 years principle respectively.			

With regard to lime, the Scottish committee suggest a novel method. According to the actual description of lime used, it is estimated that from 4 to 7 cwts. per acre per annum are exhausted, so that the compensation payable will be ruled by the original amount applied. Again, except in the case of meat and fish meal, they disregard the nitrogenous element entirely after one crop, and allow only the proportion on the phosphatic and potash portion, the reason being that so much nitrogen is lost in drainage and evaporation. This would probably be considered as dipping into theory and impracticable; I agree to some extent, but all the same it is interesting, and tends to raise agriculture in the world of science. If anyone is interested enough to read more deeply into this, I can recommend them an article,

"An Improved Scheme for determining Unexhausted Manurial Value," by Professor J. Hendrick, in the "Transactions of the Highland and Agricultural Society of Scotland."

Arbitrators will probably be called upon to deal with this part of the subject of Agricultural Valuations under the Act of 1920, especially with regard to continuous high farming, but to deal with the matter satisfactorily it seems to me an actual record over a period of years will be indispensable. This is borne out by the Paper on "Cumulative Fertility" in the above "Transactions," where the chemical elements of a manure are traced from the original application, through the straw, through the animal, through the manure heaps, and, finally, to the land for the second time; but I fear this will be beyond the practical valuer unless we are to confine ourselves to one valuation per year!

I am afraid we poor valuers have neither the brain nor the time to calculate the detailed percentages of the various chemical constituents applied, followed by similar percentages lost by the growth of any particular crop. But such considerations surely could be put together by scientists and enthusiastic agriculturists in some form whereby we could ascertain, if not the actual money's worth of chemicals in such residues, at any rate the fairest equivalent to be given to an outgoing tenant for the expense incurred and of which the incoming tenant gets the benefit. The fullest value for unexhausted residues should be given to insure against an outgoing tenant carrying out no manuring on account of the loss he will sustain.

Dilapidations.

In dealing with tenant-right valuations, in nearly every case the question of dilapidations in some form or other is bound to crop up. There are countless ways in which these and general breaches of covenants arise, but I propose to deal in a very general and broad manner merely with the question of dilapidations to buildings and land.

1. BUILDINGS.—In the absence of any specific agreement,

I think it is generally understood in principle that a tenant is only liable for any damage actually committed, and to keep the premises wind and watertight. The covenants of farm agreements usually provide for "tenantable repair" under certain conditions as to the division of the cost. These we need not go into here, and as to the actual interpretation of the words "tenantable repair," this latter is sufficient of itself to provide an interesting Paper, for even the law in its wisdom is very varied in its decisions; indeed, it seems to me that each case would have to be decided entirely on its particular merits. However, I am only referring to the actual method of assessing the damage. In my opinion the outgoing tenant more often than not has the advantage of the landlord, and his liability is generally under-assessed. When the landlord is himself actually taking over the premises, I do not know that this inclination to favour the outgoer is not as it should be, as experience shows that during a tenancy a poor landlord has not generally found what he should have done in the way of materials, and often either he or his agent has not insisted on the terms of agreement being periodically carried out.

The customary practice is to make the incoming tenant take over the outgoing tenant's liability, when I am certain the allowance made is not enough, and under this system too the buildings are liable to be further neglected as the allowance is deducted from the incoming valuation, the incoming tenant is pleased at getting in cheap and he forgets to do the repairs. I cannot help thinking the ideal system would be for the landlord to settle with the outgoing tenant as to the repairs, and for the repairs to be actually carried out before the new tenancy commences: this is fair from the point of view of all the parties concerned, to say nothing of the better preservation of the buildings. In any case, in my opinion, the practice should be for a specification to be drawn up and agreed, and an estimate obtained for the whole, dividing it into the respective liabilities.

2. LAND.—Under this heading I propose to deal not only with the land itself but with the failure to crop in accor-

dance with the agreement or the principles of good husbandry.

Here, again, I am as certain as I am in the case of buildings that the outgoing tenant, especially if he is a bad farmer, is not sufficiently dilapidated. It has become the custom to base the dilapidations on the cost of the work estimated to be required to rid the fields of the weeds, &c. This is reckoned in so many ploughings, harrowings, and cultivations, &c., but I am inclined to think that insufficient notice is taken of the time required to carry out the necessary operations, the loss of profit to an incoming tenant during that time, and the manurial value taken out of the land by the growth of the weeds.

Again, let us take the case of hay or straw sold off. This is generally provided for in the agreement; but if it is not, the Act of 1920 bids us take into consideration the effect on the cultivation of the holding; the return of so many loads of dung or other manurial equivalent may or may not be sufficient, but is the usual method adopted. I think, however, that the Sussex method is really the fairer, by which the outgoing tenant has to pay the cost of replacing the article sold off, less the value he would have been paid for the article had it been left: thus, if a ton of straw is sold, he would be dilapidated the purchase price of another ton plus the carriage less the feeding value. This in isolated farms will frequently be found to be far more than the manurial value. Again, the straw has other uses than for manure; it has its feeding and mechanical value; it has a value for buildings. It may be that if it is taken at feeding price, a farmer can sell at market and replace its manurial value in a special manner.

The enumeration of cases could be continued, but to close this part of the subject let us take one more instance, the deficiency of wheat tilth. The usual method of assessing this is to provide some manure, or to replace the manurial value supposed to be left by the preceding crop, such as pulse crops, fallows, or leys, as food for the wheat plant. But is this sufficient? The loss of the wheat rotation may be more than this when the four-course system is strictly followed.

It may necessitate the alteration of the whole system for years, and even an additional acreage of fallows, to say nothing of the fact that in the following year the incoming tenant may be compelled to purchase straw on the open market when he could have grown it at half the price.

The failure to provide sufficient young seeds is often likely to be a serious matter, as it was in Kent last year, on account of the dry weather, for it is impossible to foretell the quantity or quality and, consequently, the price of the hay crop in the following year, and the assessing of this particular dilapidation is difficult.

The practice in all these dilapidation cases is, of course, well known to all, but I merely mention this to substantiate my opinion that, generally speaking, the defaulting tenant is not sufficiently punished. I am bound to admit that the converse is occasionally true, namely, that sufficient payment is not made to a tenant who has gone out of his way to uphold the best principles of cultivation.

Before entirely leaving the subject of tenant-right valuations, there are two offshoots to the main theme to which I should like briefly to refer, *i.e.*, (1) Probate Valuation; (2) Stocktaking Valuation.

1. Probate Valuation.

These, in the main, are simplicity itself, as the valuer has only to convert into figures the items of assets on the farm belonging to the deceased at the time of his death, but one is often met by the deceased's solicitor informing you that growing or immatured crops or labour to land are not to be included, and I believe the reason of this is that "emblements" under which some of these items would come are considered to be part of the freehold, and, therefore, in the case of the deceased being a tenant would not be his property, and in the case of his being the landlord such value would be included in the fee simple value. I wonder how many valuers in valuing estates for duty purposes would in the latter case add, or have added, them to the value. Is this opinion correct? It appears to me it is not;

such items of tenant-right are distinctly to my mind an asset of the farmer, and as such should be included and be liable to duty. Surely if a farmer was giving up his farm at the same time that he happened to die, he would not forego his claim to such things and hand them over to his landlord as not being part of his property.

The question of the value of such items may be a more difficult matter, but I cannot see that there can be any question as to their inclusion as part of the deceased's estate. Again, in the case of a tenant who is not his own landlord, if the farm buildings and land are left in a dilapidated state, the cost of complying with the tenant's liability should, I think, be a deduction, as should the farm be passing such liability would without doubt be taken into consideration and therefore form part of the estate. The question would not arise in the case of a landlord farming his own land, as the freehold value would be depreciated to the extent of the cost of restoration.

2. Stocktaking Valuation.

Here, again, the general scheme is simplicity itself, but I just want to air one point in the hope that I may get some help in the discussion, and that is, Upon what basis is it usual to value the stock in trade for the above purpose? By this I refer to the horses, implements, dairy herd or sheep flock, all of which appear more or less on uniform lines as regards number year by year. It seems to me that usually these valuations are made for the purpose of arriving at the result of the farming year, and not to ascertain exactly what a man is worth should he wind up his estate at any particular moment; and if this is granted, these items should be valued on the basis more or less of cost price less depreciation for age and use. Some valuers, I know—and it is often a much disputed point—value the whole at market price of the day, and it appears to me this is hardly correct, as in late years the increase has been so great that a large profit has been shown on paper, which will never be realised until a

sale occurs, and, as events have turned out, probably not then. In the meantime the farmer is asked to pay income tax on a profit which he has not realised and has no ready cash to meet. It appears to me that the basis I have suggested will remedy itself year in and year out when the actual sale occurs. Of course this would not apply to an article ripe for sale, such as wheat, hay, or fat stock, which can only be entered at market value as they are not stock-in-trade, but are ready for the sale for which they were grown.

I thank you, Gentlemen, for your patience in listening to me. I hope my remarks have not been too elementary, but may lead to criticism and discussion, and not to be dismissed too peremptorily by more experienced men as enthusiasts' fads, and, above all, I do not expect those valuers whom I may have the pleasure of meeting in practice to quote every opinion of mine as my private law of the Medes and Persians. Circumstances alter cases.

AT
THE ORDINARY GENERAL MEETING

Held on Monday, May 8th, 1922,

A DISCUSSION took place on a Paper entitled
AGRICULTURAL VALUATIONS,

By Robert Cobb (Fellow).

JOHN McCLARE CLARK (President) in the Chair.

Sir TRISTRAM EVE, K.B.E. (Fellow), in proposing a hearty vote of thanks to the author for his most interesting and instructive Paper, said he thought The Institution was extraordinarily fortunate in obtaining anyone of the name of Cobb to read a Paper on Agricultural Valuations. There was certainly one proud man present that evening, namely, the father of the reader of the Paper, Mr. H. M. Cobb. He desired to say in his presence what all valuers delighted in admitting, that Mr. Cobb, senior, was recognised as the leading tenant-right valuer in England, and long might he remain so.

He did not know of any subject on which a Paper could be written which would lead to a longer discussion than that of the present Paper. Broadly speaking, as the author had shown, agricultural valuations consisted of the credit side and the debit side. He did not propose to follow the author very much on the credit side, because customs varied so much in each district that it was quite impossible to discuss them with any degree of certainty or with any possibility of results from a central position in England. Each district must work out its own salvation,

sometimes in its own extraordinarily peculiar way. So far as the credit side was concerned, when a valuer went to Rome he must do what Rome did, even when the fact was borne in mind that one county fixed the consuming price of hay at £9 a ton when the market price on the same day was £6 a ton. That fact could not be explained; all that was said was that it had been settled in that manner. On the credit side of the valuation he preferred to use the word "custom" in the absence of a contract of tenancy, and on the other side of the valuation he suggested that for breaches of covenant the words "common law" should be used. One often heard of "custom" on the debit side of the valuation, but he did not think such a thing really existed. So far as breaches of covenant were concerned, the common law of England applied to every square yard of the country and was not governed by any local custom. He put forward those points for discussion.

Turning to the Paper in detail, and taking first of all the statement made on page 261, the Agricultural Holdings Act, 1875, as the author knew, was permissive. It was not until 1883 that compulsion for payment for scheduled things was brought in, the most important of which was manorial values. On page 262 the author stated what so many valuers were in the habit of saying as a shibboleth, that as a tenant went in so he should go out. He wished one of the Fellows would prove that statement in the *Journal*. As far as he knew that was a dictum by a judge in a case that had nothing to do with the subject. He suggested for the consideration of the members that the incoming inventory had nothing on earth to do with the outgoing valuation, whether there was a agreement or whether there was not. If a man was farming without an agreement, he suggested for consideration that he was farming under custom or under the common law, and if he wanted to get himself out of that position he must be sensible and enter into a contract of tenancy, writing down what both he and the landlord meant. The love that valuers had for hanging on to an incoming valuation when it suited their purpose was alarming; it was absolutely ingrained in their natures, and

he supposed it would never die ; but he would like someone to prove that it was good law.

With regard to the feeding or consuming price mentioned on page 263, the author suggested that it was the feeding value and the manurial value. Personally he suggested it was only the feeding or consuming value and nothing else. He believed the question arose in the following manner : There was an old custom under which the outgoing tenant had the right to stop for six months after Michaelmas and consume his hay and straw with possession of the inferior part of the farmhouse, while the incoming tenant occupied the superior part of the farmhouse. Who used the kitchen range was always in dispute ! It was more like Rent Restriction Act days ! That became a nuisance, and instead of stopping there the outgoing tenant was paid a sum equal to any benefit he would have received if he had stopped consumed the straw, and left the dung for nothing. Personally he considered the consuming price of hay and straw varied in direct proportion to the price of the substituted feeding stuffs which a farmer might want to use ; it did not depend on anything else, and had no relation whatever to the market price.

The author, who came from Kent, naturally advocated high valuations. Personally he had always persuaded his clients never to take a farm in Kent, because he had told them the valuations would take all their capital before they started ! There was no part of England with a higher rate for agricultural valuations than the south of London, and he suggested, as a principle, that the less money that was locked up in the initial valuation the better for the farming of England. He therefore advocated a low basis of valuation—he was not talking about figures—and that valuers ought not to aim at high valuations. He was therefore against taking hay at the market price.

The author had not made quite clear what he meant with regard to the selling off of hay and straw. Up to the time of giving and receiving notice to quit (practically the last year of the tenancy), any tenant could sell off any hay and straw he liked, against the wish of the landlord, on

bringing back the equivalent manorial value as set out in the Agricultural Holdings Act, and it was impossible to debit him with the mechanical value, however sensible that would be. He could only be debited with the equivalent manorial value. If he did not sell cunningly and quickly any hay or straw he had left in the last year, an injunction could be obtained to stop him from doing so, and then there was no basis upon which the poor fellow could be paid for it. The great thing was to sell it pretty early, or before the last year, when the only damage was the equivalent manorial value.

Turning to page 267, dealing with the question of cultivations, he could not see why a clean farmer who required minimum cultivations for a long fallow at Michaelmas should get a very small sum per acre, and a dirty farmer with his long list of tillages, many of them cultivations instead of ploughings (probably ending up with that beastly thing, a thistle bladder, on the 28th September, to try and make it look tidy) should be paid for the long list which was required to clean his own dirty land, as compared with the good farmer who could do it with the minimum cultivation. He could not see why fallow should not be paid for at a flat rate, having regard to the circumstances of the year. Their forefathers used to talk about "orders" in the same way. In the old days a good heavy land tillage was 50s. an acre for "orders." He did not know what "orders" were and had never been able to find out. He suggested that valuers should give up pricing the tillages in the way they were doing at the present time and get on to the practice of valuing the fallow that was found, irrespective of tillages performed, and in that he entirely agreed with the author.

On page 268 reference was made to four-horse ploughing, which rather gave him a shock. Personally he thought a man who ploughed any land with four horses at the present time must be a lunatic, because it could not cost him less than 63s. an acre. A very good farmer told him only on the previous day that he was going to lay down every piece of land on which he could not grow 5 quarters of wheat and

plough it with two horses. He was very doubtful whether much of the land would show a profit if it were ploughed with three horses, but he thought a valuer should refuse to pay for four-horse ploughing in any valuation. He would much sooner hitch three horses abreast with one man. There, again, he thought it came into the question of the value of the beneficial work done and not the actual operation by the outgoing tenant.

With regard to the latter part of the Paper, on costings, he could not see why the Central Valuers' Association could not agree on the cost of ploughings and cultivations. Given the fact that wages and oats were the same, the cost of ploughings and cultivations must be the same if the land was flat and divided into classes of heavy land and light land. He had the honour to belong to an association, and it was done in that way every year. He had the figures with him, and there did not seem to be any difficulty about putting them into operation. There were only two or three typed sheets of them; allowances were made for Sundays, Christmas Day, Good Friday, and odd days when the horses would not be at work. The total came to 272 days. The oats, the oat chaff, the shoeing, the hay, the bran, the linseed and the litter were all worked out and came to so much a horse; and then so much was put down for the man, as the author showed. That was all turned into ploughing, on heavy and light land, according to whether half an acre or three quarters of an acre or an acre a day could be done. When valuers met they all used those figures, and it seemed to him they must be absolutely right. If wages and oats were the same in the country, why could not the Central Association do that work for the whole of England? It did not seem to him right that there should always be that difference as to the cost of ploughing in different counties of England at the present time.

Turning to the subject of manurial values, it was apparent the author had a sneaking liking for the cost basis, although he dare not say so. He had very nearly said so in item (A) on page 272. It was impossible, however, to go back to the cost basis that used to exist, because it was

so absolutely and entirely wrong. The manorial basis was used all over England. If a man had a cost basis in his agreement, the outgoing tenant had the option in law to use the Agricultural Holdings Act schedules if he liked and to say, "I will have that," which meant, of course, manorial values (the value to the incoming tenant), and while that right very properly existed he hoped they would not go back to cost.

With regard to the subject of breaches of agreement, he noticed the author stated that it had become the custom to base the dilapidations on the cost of the work estimated to be required to rid the field of the weeds, &c. He suggested that there the author was quoting the old common law. There was only one way of pricing a breach after the end of the tenancy, namely, the cost of remedying it. He suggested that in the whole of England, provided the land was flat and of the same quality, the cost of remedying a breach on land was exactly the same in every parish in England. There was no custom about that. Exactly the same remarks applied with regard to remedying a breach with regard to hedges. If the men received the same wages in different parts of the country, the cost of remedying the breach must be the same under the common law.

The question of shortage of land for wheat was a very difficult one. The question that had to be considered was, what was the damage to the incoming tenant. If a man was short of land for wheat, he very probably had an excess of white straw. If so, he had gone away with money in his pocket, and, so far as 1921 was concerned, with the Government bounty in addition. First of all he ought to disgorge that to the incoming tenant or landlord, and also reimburse to the incomer his loss of profit because he was short of land for wheat in his first season. Valuers had to make intelligent anticipations, and they must estimate what they thought the profit on a crop of wheat would be, and add the two together. Sometimes it came to a very large sum. He did not see, however, why it should be expressed in the way the author had expressed it, although it was evidently done in that manner in the district in which the

author practised, and therefore he (Sir Trustram) assumed it must be right; but personally he did not see the relation between wheat tilth and manurial values supposed to be left by the preceding crop, dung, and so on.

The Paper was a most interesting one, which it would be possible to discuss at very considerable length. Personally he was very grateful to the author for having had pluck enough to read it. He liked a man who went to work and did not mind putting down on paper the experience he had obtained, and he therefore thought The Institution ought to be extremely obliged to the author for having produced such an exceedingly practical, interesting and instructive Paper. He had great pleasure in proposing that a hearty vote of thanks be given to Mr. Cobb for his Paper.

Sir ANKER SIMMONS, K.B.E. (Fellow), said he was very pleased indeed to have the opportunity, which he valued greatly, of seconding the vote of thanks to the author for his excellent Paper.

As Sir Trustram Eve had stated, it was quite impossible to deal with more than one or two points in the ten minutes allotted to each speaker, but he desired to say at once, foreshadowing some of the many differences of opinion there were sure to be on the points which had been raised by the author, that he did not at all agree with Sir Trustram Eve on the question of the price of hay and straw. He believed he began valuing even before Sir Trustram Eve did, and for years past he had hoped to live to see the day when a man would be paid for all he left in the way of hay, straw and manure at its market price, whatever it was. He did not believe at all in a man being bound to leave on his farm an excellent crop of straw at what amounted very often to a nominal price. He could not see the fairness of that nor did he think it was conducive to good farming. He would never forget making a valuation on a farm in Buckinghamshire twenty-five years ago, when the finest crop of straw he ever saw on a farm realised in this way only 10s. per acre. In those days valuers used to value straw mainly by rule of thumb, and were not careful as to differentiating as

between a good crop and a bad one. He thought they might congratulate themselves that they took more trouble at the present time, because the Valuers' Associations, when laying down the spending value, assessed it on the basis of 1 ton per acre, and therefore the crop was valued up and down, according to the weight of the crop, on that assessment which entailed measuring all the straw on a farm whether at the spending price or at the full price. He still maintained, after giving the matter a great deal of thought, that the fairest and best way was to pay an outgoer at market price for whatever he left. It might be argued that the market price of manure was a very low sum indeed. That might be so, but it must be remembered that all market values were put more or less straight by the rent. If a man occupied an out-of-the-way farm, he rented it at a far lower rent than was the case when the farm was close to an important town, or near a railway station. So much for the question of hay and straw.

He desired, in the next place, to say a few words with regard to the question of cultivations, not from the point of view that Sir Trustram Eve had dealt with the subject, but on the broad principle of how the cultivations in the last year, more particularly on the Michaelmas tenancy, should be carried out. He maintained that the fairest way was for the cultivations to be performed by the outgoing tenant under the direction of the landlord or the incoming tenant. There were pitfalls in whatever policy was adopted, but if the suggestion he had made were carried out, it would be found that there was less danger of a man not being fairly treated than there was in any other way. During the course of his career he had seen a great number of systems followed. On one of the biggest estates in Berkshire the owner for a long time kept up the system of payment by results. All the crops were weighed and valued at what was called the spending price; but it must be borne in mind that those crops never could be even lifted by the outgoing tenant. They were invariably left in the ground to be lifted by the incoming tenant, and they were grown for his benefit. As a root crop was grown for the benefit of the

incomer he ought to take the risk as regards the weather and so on, but he should have a voice in what cultivations were done. He was not disposed to disagree with Sir Trustram Eve's suggestion that a fallow should be valued without going too closely into the details of what had been done to it. He had come across such cases a few times, not many, and the principle had much to recommend it.

Passing to the question of dilapidations, he held a strong opinion with regard to the trouble which so often arose through agents or landlords not doing their duty with regard to repairs. It was most unfair to come upon the poor tenant at the end of the tenancy, after having let him alone and seeing all his buildings getting gradually worse and worse, neither calling his attention to them nor offering to send materials necessary for such repairs. That often happened, and in the case of a death it frequently resulted in very harsh treatment towards the widow and children, a big bill for dilapidations being presented which, if the landlord or the agent had done his duty, would never have been incurred. Therefore in arbitrating on such claims he personally always took a great deal of trouble in ascertaining whether the tenant had been kept up to the mark as to his obligations, as he did not think it was fair to wait till the end of the tenancy and then seek to get from the tenant or his representative a big sum by way of dilapidations, much of which arose from careless management. Then, again, the subject often arose of what was "tenantable repair." The answer was "Wind and watertight." It was extraordinary that in most agreements, if there was a definite clause with regard to repair of farm buildings, it was found that the tenant was not expected to keep the roofs and main walls in repair at all, they bring landlord's obligations. Inasmuch as "wind and watertight" could affect only roofs and main walls, that was rather a contradictory state of affairs. He held the opinion that a tenant ought in any case to see that the tiles and loose boards were properly replaced when they were displaced, and that the landlord ought always to be ready to supply the tenant with the necessary materials for doing so. As a matter of fact,

the work was better done where thatched roofs existed, because the tenant understood he had to find the straw and the landlord had to do the work ; but he did protest against allowing an outgoing tenant to go on and on, and then to present him with a bill which sometimes amounted to more than the valuation itself. He had a case in his office at the present time in which the landlord had put in a claim for £5,000 dilapidations at the end of a long tenancy.

Sir Trustram Eve had referred to the question of custom. He personally very much hoped that in the course of the discussion some direct legal opinion could be obtained as to what custom really meant—whether custom was a thing that could be depended upon and for what length of time. He had a very interesting case in hand at the present moment in which a man, who died in 1921, had been in a farm ever since the year 1862. The noble lord to whom the estate belonged and the farmer quarrelled about the agreement at the start, and it was never signed. Now that the tenant was dead, it was sought to bring to life the old customs which had long since died out, and to argue that he must go out according to the custom which prevailed when he went in. The matter would have to be settled either by arbitration or by legal process. He would like to have an expression of opinion as to whether, in the view of those who were qualified to express an opinion, it was possible to rake up a custom that existed in the year 1862, which was utterly opposed to the system which prevailed at the present day, and which, unfortunately, happened to be a system under which the other side could prove that the tenant entered upon his farm so long as sixty years ago.

In conclusion he desired to say a few words upon the subject of stocktaking valuations. So far as live stock was concerned, he set up what he called a standard, whether it was a pedigree herd or an ordinary herd, and he used his standard as the maximum value and fixed it with some regard to current market prices but always lower. For instance, when cows were selling readily at £75 each, his standard was £40, which had risen from a pre-war standard of £20. As a result accounts made on that basis did not

show either that big paper profit or that big loss, which accounts which took the absolute market price at the time involved. He thought that with regard to dairy cows, breeding flocks and working horses, the system of setting up a standard according to the class of stock a man kept was not a bad one to follow. He liked it better than saying that all the five-year-olds should be so much, and that all the four-year-olds should be so much. He thought if a standard were fixed, not exceeding a certain price, a valuer was on better grounds to show a fair profit and loss account as between one year and another than if he adopted any other system of making the valuation. He thought it best to put one year's tillages against another; it was so easily possible to show a big profit or a big loss on tillages which never materialised. There were, as a rule, the same number of men and horses on the farm, and it was simply a question of whether so much more or so much less work had been done according to the state of the season. Therefore if the item paid on entry for tillages was put down year by year as the sum representing "tillages," he thought a truer profit and loss account was obtained than if a big sum was built up for tillages in one year which perhaps would be lost in the next. Paper profits or losses should be avoided. He thanked the author very much indeed for his most interesting Paper.

Mr. J. A. EGGAR (Fellow) said it afforded him much pleasure to endorse the high opinions of the Paper which had been expressed by the previous speakers, although he did not agree with the author in all his statements. The point had been raised, not only by the author but by previous speakers, of custom, and he desired to give the members his own opinion on that point. He had always acted upon the principle that where there was no agreement valuers must fall back upon the custom of the country. If, however, an outgoing tenant, although he had no agreement, could produce his incoming valuation which was approved at the time by the landlord, it took the place of custom so far as that individual case was concerned. This principle had always guided him in the advice he had

given, whether he was acting for the outgoing or the incoming tenant.

A point had been raised with regard to straw and its mechanical value. It should be borne in mind that where the straw was at fodder value it meant that the incoming tenant only paid the feeding value and was entitled to the manure made therefrom without payment. Whatever value there was in the straw, independent of its feeding value, was the property of the landlord. It was attached to the soil, and that included the mechanical value. So far as the outgoing tenant was concerned, he was entitled only to the bite of the straw. The author had given three values for manure—the market value, the spending value, and labour only. He would like to have an expression of opinion from the author as to what the spending value was. Personally he could only see two values with regard to barn-yard manure, its market value, and also, where the custom was that it was not paid for, whatever labour had been expended upon it.

With regard to cultivations it should be borne in mind that it was a great convenience to the outgoing tenant to have the right of doing the tillages. All valuers knew of instances where the outgoing tenant had not had the opportunity of doing the tillages; his horses had been lying idle all the time, and it would have been far better for him to have taken a lower price and to have done the tillages, and better for the incoming tenant as well. He did not think valuers ought to stand out too much for paying too high a price in connection with cultivations.

With regard to the question of dilapidations, he entirely supported what Sir Anker Simmons had said, that the outgoing tenant who was a bad farmer was not sufficiently dilapidated.

He thought that was the experience of all practical men, and in his opinion they ought to take care that that state of things was remedied in the future, and that a bad farmer was properly dilapidated. He felt very strongly that it should be possible for a landlord, or for a tenant, to refer to an official valuer on the question of dilapidations, so that the

opinion might be obtained of someone who was entirely independent of either party.

The question of probate valuations had not so far been touched upon in the course of the discussion. The principle that he had acted upon, whether rightly or wrongly, was not to value the tillages, but simply what could be turned into cash at the time death occurred. He also thoroughly endorsed what Sir Anker Simmons had said on the subject of stocktaking valuations. He acted upon that principle in such valuations, and, if generally done, there would be no need for the farmer to employ a valuer at all; he could be his own valuer and fix his maximum prices. Taking horses, for instance, he would fix a maximum price of, say, fifty guineas; he would have a column for each horse from the time it was a foal, adding each year until the price reached fifty guineas; it would then go back in value each year until it disappeared from the valuation list. That would apply to all classes of stock. If anything were sold during the period it should be put down in the ledger at its schedule price, and any profit that might be made over and above the schedule price should go to a reserve fund in order that the farmer should not pay income tax on fictitious values. If such a principle had been adopted by farmers during the war, and instead of putting the high prices made into their valuations they had taken the schedule prices, placing the extra value that was made of something like £20 a head for cattle to a reserve fund, they would have provided a fund to meet the depreciation which everybody knew would ultimately occur.

He had prepared a table which he had much pleasure in handing to the author of the Paper.

Mr. J. I. DAVIDSON (Member of Council) said he rose with some diffidence to address an English audience on a question of valuation. He was under the disability of having seen the Paper only for a short time before the meeting, but in glancing over it he assumed that its authorship related to his learned friend on his left (Mr. H. M. Cobb). The concentrated wisdom and the judicial tone

which was to be found throughout the Paper certainly suggested a man of ripe experience, and the member who had addressed the meeting so ably on the present occasion had evidently inherited that prescience and knowledge which his father so eminently possessed.

There were a few points to which he would like to refer as the result of his short study of the Paper. In Scotland both the terms of entry and the details of the valuations were different in some respects from those in England. The market or consuming value of straw, however, had been a controversial point on the other side of the Border as well as in England. In his early days the general practice was that the incoming tenant did the harvesting and realising of the crop, and he got the straw as the equivalent. Later on, when straw became a more valuable commodity, some enterprising valuers discovered that the terms of the lease had been incorrectly interpreted. The leading case in Scotland related to a very large farm of 1,800 acres belonging to the Duke of Roxburghe, 900 acres of which were grain, and the question there arose as to whether the straw was to be valued at a consuming or market value. He agreed with his co-arbitrator that two umpires should be appointed, a practical umpire to decide on the question of the quantity of the straw and so on, and the late Lord Ardwell, the eminent judge, who was sheriff of the county at the time, to decide whether or not the construction was to be market value or the consuming value. The sheriff decided that the terms of the lease meant market value, but he decided that it must be market value less the cost of taking the straw to market. It so happened that in the result the tenant received rather less than he would have done had the other method been adopted, because it had been an abundant year for straw with a moderate market price, and the cost of taking the straw to market led to that result. On the other side of the Border the usual method adopted in estimating the value of the straw for conversion into manure was to take the number of tons of manure which a ton of straw would produce—assuming the straw to be made down with turnips without the addition of artificial feeding stuffs. Frequent

difficulties had arisen where the tenant on the one hand had claimed separately for the manurial value of the feeding stuffs which had been consumed in the production of the manure, which was again valued at its ordinary value without those things. As a general rule valuers in Scotland maintained that the farmer ought to disclose the quantities of feeding stuffs that had been consumed during the production of the manure so that the valuation could be made once and for all.

There was another system which prevailed on the other side of the Border, namely, steel bow straw and dung. In that case no valuation was necessary. Both were the absolute property of the proprietor. The incomer received without payment the full straw and all the manure that had been made during the previous year.

He observed in that connection that the author made some reference in the Paper to the practice of storing manure, which he described as green manure, for six months instead of the outgoing tenant applying it. He entirely agreed with the author that that resulted in great waste. There was a great deal of loss by the adoption of that method, and he thought it would be much better if the outgoer were allowed to apply it to the crop and the incomer receive the benefit of what remained.

He also observed that the consuming value of roots was referred to in the Paper, the suggestion of the author being that such a consuming value was really the cost of production of the roots. That was not the case in Scotland. The value of the roots for consumption depended on the possibility of converting them into beef or mutton at a profit. In pre-war days swedes were looked upon as worth from 10s. to 12s. a ton, and yellow turnips at 7s., 8s. or 9s. a ton. It was well known, however, that during the war phenomenal prices were paid. On a large farm in his neighbourhood 80 acres of turnips passed from tenant to tenant at the rate of £40 an acre, and the incomer was staggered on being presented with a bill for £3,200 for turnips which had to be fed to stock.

The only other matter to which he wished to refer was

the question of compensation for unexhausted manure. He was one of the members of the Scottish Committee, referred to by the author, which revised the scales. The Chambers of Agriculture and the Board of Agriculture both considered that the conditions then prevailing required reconsideration because in many leases there were stereotyped scales which were not infrequently rather unfair to the tenants. The Committee went into the matter in great detail, with the scientific assistance of Professor Hendrick and another eminent chemist, and the result was that the scale was evolved to which the author had referred. There was one practical point in connection with it which he believed had not been very popular in Scotland. It had hitherto been the practice that compensation for nitrates in the shape of nitrate of soda or sulphate of ammonia was not awarded, but according to the scientists who assisted the Committee it was maintained that nitrates obtained in the production of dung were equally evanescent, that they were as destructible as those that were applied in the shape of nitrate of soda. They had never been able to get the old Scottish farmers to believe that, and they maintained that what was produced in the dunghill was a much more lasting and less destructive article than nitrates from sulphate or nitrate of soda.

Another interesting point connected with the report related to the question of cumulative fertility. That arose from the common complaint that the best farmers were not compensated in proportion to those who had trimmed for a claim. That had been his own experience. A man who simply made an improvement by technically doing something that the Act called an improvement was the man who got too much, and the man who had gone on consistently feeding and farming well, besides maintaining his farm in clean condition, in many cases had not been adequately compensated. For that reason even before the scale was agreed upon he was in the habit, in a case of that kind, of extending the scale which he applied.

The first case in which it was ever given effect to in Scotland was the well-known case in Gallowater, where the late Mr. Brennan of Ayr awarded, in addition to the com-

compensation which the ordinary scale allowed, a lump sum of £300 for cumulative fertility. That was a case in which there had been extremely liberal feeding on grass-land. There had been practically no cultivation; as a matter of fact, in his opinion the animals got more cake than they could assimilate. He thought there was a good deal to be said in favour of cumulative fertility, but that opinion carried with it a proviso that compensation on those grounds should not be looked upon as the usual thing, but should be payable only when continual application throughout the lease beyond what was required under the terms of the agreement were proved.

Mr. W. G. S. ROLLESTON (Fellow) said it was a pleasure to him to say a word or two in support of the vote of thanks to the author which had been proposed and seconded, both on account of the intrinsic importance of the subject to which he had referred and also the able and practical Paper which he had given upon it. He could, of course, touch only very cursorily and in general terms upon one or two points which had been raised, but he would like to emphasise the statement which had been made that valuers should more and more get into the habit of making valuations and not bargains, which latter he was afraid in the past had often been the primary object of those concerned, and that it was up to the valuer to approach the matter of a valuation in the spirit of an arbitrator, rather than in that of a rabid partisan determined to get an advantage in some way or other at the expense of the valuer of the other party. He noted too with satisfaction that the author stated that he considered the tendency of the Agriculture Act, 1920, was to regard improvements—using that word in its widest sense to include many matters of ordinary tenant-right—rather from the standpoint of their effect upon the holding, *i.e.*, as between landlord and tenant, and not primarily from that of their effect as between tenant and tenant. He noted that the author thought the principle was right. Possibly some of the members might have a shrewd suspicion as to whence the inspiration came which

caused the framing of the Act upon those lines ; but, in any case, he was glad to know that the author thought the principle was sound, and he could only join with him in agreeing that it was right and to be welcomed.

The author had mentioned the desirability of rendering local customs more uniform, and had alluded to the difficulty of doing so. It seemed to him there was a real difficulty in doing so, whatever the exact law upon the subject might be. Local customs must necessarily vary to some extent owing to differences of climate, soil, geographical position and difference in the cost of wages in different parts of the country, but there were some general principles which might easily with considerable advantage be made much more uniform in their application to valuations than was the case to-day. He thought it was a matter for congratulation that the process of rendering them uniform, which had been exceedingly slow and gradual in the past, had still been a process which had been sure, and he thought for the reasons which the author gave they were justified in thinking that that process might be somewhat accelerated in the future. With regard to the method of valuing hay and straw left at the termination of the tenancy, it seemed to him undoubtedly the fairest method of assessing its value to take it at its market price, *i.e.*, at its market price in the nearest market, less the cost of carriage from the farm to that market, every possible care being necessarily taken to ascertain the exact quantity and quality by accurate measurement and estimation. He thought also that that principle was equally desirable of application in the case of farmyard manure by reason of the encouragement which it tended to give to good farming, subject again in that case also to accurate and reasoned estimation of its value.

With regard to cultivations he was glad to note that the author laid such stress upon the importance of accurate costings, the importance of which question was becoming more and more widely recognised. It was often an extremely difficult matter to arrive at the true cost of many farming operations because of the difference in the varying circumstances under which they were carried on. Commendable

efforts had been made in that direction of late, and it was certain that the question would receive increasing attention as time went by, which, he believed, would be to the benefit and advantage of all concerned. With regard to the basis for assessing the unexhausted manurial value of food stuffs consumed, he imagined that at the present time few practical people existed who would not unhesitatingly admit that the chemical basis was the proper and correct means of assessing that compensation; and he thought that that principle applied equally to the assessment of the unexhausted value of artificial manure that was applied, for that also tended to the encouragement of good farming.

With regard to dilapidations, it might be taken mainly and generally that the bad farmer was insufficiently dilapidated, although considerable improvement had taken place in that respect of recent years. Anything which tended to the discouragement of bad farming and the indifferent observation of an occupier's obligations must necessarily be welcomed. As one who was interested in its work, he was very glad to hear the author speak in terms of commendation of the Central Association of Agricultural and Tenant-Right Valuers. As a member of that body, he could only hope that as time went on the author's observations would be more and more justified, and that the weight and influence of the Association would be more and more recognised by all concerned.

Harking back for one moment to the subject of dilapidations, he desired to say that in his humble judgment he entirely agreed with the author that the measure of dilapidation against the outgoing tenant for hay and straw wrongfully sold off during the last year of the tenancy should be the cost of reinstatement, less the amount which the outgoer would have received as the value of the article had he left it as he should.

He desired, in conclusion, to take the opportunity of thanking the author for the very interesting and instructive Paper he had prepared.

Mr. C. B. FISHER, C.B.E. (Member of Council), said that

all those who had so far taken part in the discussion had been tenant-right valuers. Personally he was not a tenant-right valuer, and the only thing he had to do with tenant-right valuations was as a representative of the Land Agents' Society on a body which was called together by Mr. Rolleston, when he was chairman of the Tenant-Right Valuers' Association, to discuss various questions as to manorial values, and especially the point raised about the manorial value according to the Hall and Voelcker Tables. He thought that body did an extraordinary amount of good because it threw a great deal of new light on the subject, particularly from the point of view of those who were concerned with the owner's side of the question. Representatives of the farmers and of The Surveyors' Institution were upon that body, and if the meeting of such a central body was again convened he thought it would be very helpful indeed. The fact that he was not a tenant-right valuer, but that he looked at the subject more from the owner's point of view, enabled him to throw a little different light upon the question. After hearing the excellent discussion, if he were an owner he thought the first conclusion he would have come to would be that in choosing a valuer he would like to have the best local man. Personally he thought there was a great deal in custom. There was much to be said in favour of a man who knew the district and the class of land with which he was dealing. If, however, he had a voice in choosing an umpire he would select the best man from a distance, because he would have no local bias, and his opinion would appeal to him as being perhaps more impartial in consequence.

Another question he would consider would be whether he would be a man likely to give his award in a reasonable space of time. He thought one of the faults of tenant-right valuers was that, as a rule, the results of their labours were not obtained within about six months of the time of the termination of the tenancy. In some cases that might be unavoidable, but he thought in many cases it was not.

There were one or two points, looking at the question from a landlord's point of view, that he would like to

emphasise, one more particularly being the question of whether the straw and hay should be taken at the consuming or market value. During the war Agricultural Costings Committees were formed which were very authoritative, containing representatives of the farmers, the agents, and of the consuming interests. The point they always made was that it was not fair to take the produce at a market value, but that it was desirable to take the figure of what it cost to produce. After due consideration the opinion was arrived at that the right thing to do was to take the consuming value, and that the consumers agreed to as well as the producers.

He hardly agreed with what Sir Trustram Eve had said on the question of a tenant going out as he went in. He did not think Sir Trustram was right in that respect, because it would obviously be unfair for a man who paid a market price when he went in to go out on the consuming basis, or the reverse. Where custom permitted selling off, with as a consequence the payment of market value to the outgoer, a great deal of harm had been done. He could not agree with Sir Anker Simmonds that the market value was the right basis to go upon. If one looked at the changes of tenancies which had taken place in glebe farms, where the incumbent was not liable for dilapidation at his death, or when he surrendered his living, the straw and hay having been sold off, he thought a great deal of harm had been done and that the holdings had been considerably impoverished. He thought valuers ought to set their faces against that.

He most heartily supported the vote of thanks to the author for his able Paper, and he thought the members might go even further and wish the author's firm and their old friend Sir John Oakley's firm the best of luck in their amalgamation.

The vote of thanks was put to the meeting and carried unanimously.

Mr. ROBERT COBB, in replying, thanked the members very much indeed for the kind vote of thanks they had

passed to him, and more particularly he desired to thank the eminent gentlemen who had taken the trouble to speak on his Paper. The first interest he ever took in tenant-right valuation was the result of a meeting with Sir Trustram Eve. Sir Trustram might not remember it, but he (Mr. Cobb) remembered going as a sort of office boy to a valuation where Sir Trustram was on one side and his (the author's) father on the other, and Sir Trustram Eve talked for three-quarters of an hour on what happened to a ton of cake if a calf ate it! The arbitrator probably discounted some of the facts! Personally, however, he was so much interested in what Sir Trustram said that he studied the subject from that time. Sir Trustram had also said that it was plucky of him to read the Paper, but he hoped the members would not forget its last three words, "Circumstances alter cases."

He would like to reply to some of the remarks that had been made, but time was so short on the present occasion that he would not detain the members by doing so. The only point he desired to refer to was the one raised by Mr. Fisher with regard to tenant-right valuers giving their awards within a reasonable time. Mr. Fisher had rather blamed the tenant-right valuers for that, but it was not always their fault. Sometimes knotty points took time for consideration, but in nine cases out of ten it was the farmers' fault; often they had not got their information correct, and often their evidence was at variance.

He desired, in conclusion, to thank Mr. Fisher for the very kind allusion he had made to the amalgamation of their respective firms.

THE ANNUAL GENERAL MEETING,

Monday, 29th May, 1922.

Mr. J. McClare Clarke (President) in the Chair.

The Report of the Scrutineers, appointed at the Ordinary General Meeting of Monday, 8th May, 1922, under Article 49 of the By-laws, was read to the Meeting.

The Report declared that the following were elected a

COUNCIL FOR THE ENSUING YEAR.

Fellows.

CHARLES HERBERT BEDELLS
JOHN EVANS BIDWELL
FRANK JOHN BROWN
GEORGE TURVILLE BROWN
JOHN MCCLARE CLARK
HERBERT MANSFIELD COBB, C.B.E.
GEORGE CORDEROY
EDWARD SAMUEL COX
JAMES INGLIS DAVIDSON
CHARLES DICKINSON
CHARLES GERALD EVE
WILLIAM HAROLD EVE
CHARLES BROWNING FISHER, C.B.E.
HARRY FRANKS
CHARLES HENRY GOTT
WILLIAM TIMOTHY HALL
FREDERICK HENRY APPLETON
HARDCASTLE
SIR EDGAR JOSIAH HARPER
HENRY HARTLEY

FRANK WILLIAM HUNT
BERNARD MARR JOHNSON
ERNEST HOLTHAM LEEDER
JOHN CAMPBELL MURRAY
HENRY BURROUGHES NAPIER
GEORGE FREDERICK PAGE
REGINALD HENRY POWELL
ERNEST ALFRED RAWLENCE
EDMUND WALTER RUSHWORTH
JAMES AUGUSTINE RUTHERFORD
SIR EDWIN SAVILL, O.B.E.
HENRY EDWARD SHERWIN
GEORGE COBLEY SMYTH-
RICHARDS, O.B.E.
CHARLES JOHN HOWELL THOMAS
PERCIVAL FOX TUCKETT
JOHN DAVID WALLIS
DENDY WATNEY
HARRY JOHN CAMPION
WINTERTON

Professional Associates.

CHRISTOPHER TURTILL
FULCHER
STANLEY VVYVIAN HICKS

SYDNEY MAGER, C.B.E.
JOHN MAUGHAN

Associates.

GEORGE MALLOWS FREEMAN, K.C.
RICHARD FUGE GRANTHAM

The Report of the Council on the affairs of The Institution and the Statement of Receipts and Expenditure for the year 1921 were read.

IT WAS RESOLVED—"That the Report of the Council and the Balance Sheet be received and approved, and be printed and circulated with the *Transactions*."

IT WAS RESOLVED—"That the thanks of The Institution be given to Messrs. H. C. NEWMARCH and H. S. LOGSDON for the efficient performance of their duties as Auditors, and that they be requested to continue their services for the coming year."

IT WAS RESOLVED—"That the thanks of The Institution are due and be given to the President, Vice-Presidents, and the other Members and Associates of the Council, for the able manner in which they have administered the affairs of The Institution."

IT WAS RESOLVED—"That the thanks of The Institution are due and be given to Mr. A. NORMAN GARRARD (the Honorary Secretary), to Mr. ALEXANDER GODDARD (the Secretary), and the other Officers of The Institution, for the able manner in which they have executed their several duties."

IT WAS RESOLVED—"That the thanks of The Institution be given to Messrs. C. S. BURKETT-SMITH, W. R. DAVIDGE, R. J. DIBDIN, P. E. JONES, H. S. LOGSDON, R. B. MANN, D. A. RAWLENCE, C. T. STEWARD, R. L. THYNNE and G. L. VIGERS for their services as Scrutineers."

The CHAIRMAN presented the following Prizes won by Candidates in the Preliminary and Professional Examinations, 1922:—

THE "PENFOLD" GOLD MEDAL

for the highest marks (over 75 % of the maximum) in the Final Examination, to FRANCIS ELMORE JONES, who obtained 828 marks out of 1,000.

Mr. JONES was also the winner of

THE "WAINWRIGHT" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £500,

awarded to the Candidate in the Final Examination who, having passed the Intermediate Examination in the Non-

Students' Division, is found to have obtained the highest number of marks in the two Examinations combined ;

AND

THE "CRAWTER" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £200,

for the best work in "Principles and Practice of Valuation," in which he obtained 89 % of the maximum marks.

THE "PENFOLD" SILVER MEDAL

for the highest marks (over 75 % of the maximum) in the Students' and Non-Students' Divisions of the Intermediate Examination, to ALBERT WILLIAM PIPE, who obtained 799 marks out of 1,000.

Mr. PIPE was also the winner of

THE "INSTITUTION" PRIZE OF THE VALUE
OF £15 15s.

awarded to the Candidate at the head of the list in the Students' Division of the Intermediate Examination, and was bracketed with JOHN LIONAL NICHOLS for

THE "CONSTRUCTIVE AND WORKING
DRAWINGS" PRIZE OF THE VALUE OF £5 5s.,
both Candidates obtaining full marks in the subject.

THE "QUANTITIES" PRIZE OF THE VALUE
OF £5 5s.

to ERNEST JOSEPH ELLINGHAM, who obtained 88 % of the maximum marks.

THE "SPECIAL" PRIZE OF THE VALUE OF
£10 10s.

to JOHN LESLIE BLISS, with an aggregate of 795 marks out of 1,000.

THE "GALSWORTHY" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £500,

awarded to the Candidate in the Final Examination who having passed the Intermediate Examination, while still a student, is found to have obtained the highest number of marks in the two Examinations combined, to TOM SPENCER BRIGHT.

THE "BEADEL" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £200,

for the best work in the subject of "Agriculture," to ERNEST POWELL WELLER, who obtained 85^c/100 of the maximum marks.

THE "DRIVER" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £500,

for the highest marks obtained by a Non-Student Candidate in the Intermediate Examination, to CYRIL MATTHEWS SMITH, who obtained 778 marks out of 1,000.

THE "MELLERSH" PRIZE,

BEING THE INTEREST ACCRUING ON A SUM OF £100,

for the best work in "Outdoor Forestry, Timber Valuing "and Measuring," to JOHN HOLLIDAY, who obtained 84^o/100 of the maximum marks.

THE "PRELIMINARY" PRIZE OF THE VALUE
OF £2 2s.

to FRANK EDWARD MOORE, who obtained 425 marks out of 500.

THE FIFTY-FOURTH
ANNUAL REPORT OF THE COUNCIL.

ANNUAL GENERAL MEETING,

Monday, 29th May, 1922.

In presenting their Fifty-Fourth Annual Report the Council must refer, in the first place, to the irreparable loss which has been sustained by The Institution in the sad and unexpected death of the President, Mr. J. H. Sabin, when apparently still in the fulness of his powers. This grievous occurrence has already been dealt with in the pages of the *Journal*. The Council, who had worked with him for many years, and had had the opportunity in that intimate relationship of appreciating his kindly courtesy, his sound judgment, and his keen sense of honour and responsibility, not only entertained feelings of personal affection for him, but felt complete confidence in his opinions, and recognised the true interest he took in all appertaining to the good of The Institution and its members.

His colleagues desire to place on record their many obligations to the late President, and their sense of the indebtedness of The Institution for his valuable services.

On only one previous occasion in the history of The Institution has its session been clouded by the death of the President during his term of office. In 1895 Mr. Thomas Chatfeild Clarke died while still occupying the Presidential Chair. In each case, therefore, the unexpectedness of the bereavement added to the tragic nature of the loss.

On the 10th April the Council, acting under their powers under By-laws 46 and 52, elected Mr. J. M. Clark as President for the remainder of the Session.

His Majesty the King.

In October last the Council had the pleasure of reporting in the *Journal* that His Majesty the King had honoured The Institution by consenting to become its Patron. This announcement was received by members in all parts of the kingdom with the greatest satisfaction, and the association of His Majesty with The Institution was warmly welcomed.

The New Charter and By-laws.

In the last Annual Report reference was made to the draft Supplemental Charter, amended By-laws, and Agreement with the Quantity Surveyors' Association on the subject of amalgamation, which had been circulated to members. The draft Supplemental Charter having been unanimously approved at a Special General Meeting on 10th May, 1921, a humble petition was presented to His Majesty, praying for this extension of the powers granted under the Charter of 1881. On 4th October His Majesty graciously approved the grant of the new Charter.

Further Special General Meetings were held on 3rd and 14th November, at which the new By-laws and the Agreement with the Quantity Surveyors' Association were approved. They were at once submitted for sanction to the Lords of the Privy Council, and were allowed by their Lordships on 13th December. The Quantity Surveyors' Association then held the necessary meetings for the dissolution of their society, and amalgamation definitely took place as from 1st January, 1922.

The new responsibilities imposed upon County Branches in connection with the scheme for territorial representation on the Council, and the arrangements for securing adequate representation thereon of the special sections of the profession which might otherwise be insufficiently represented, were brought to the notice of all concerned; and the ballot for the new Council to take office after the Annual Meeting, has been held in accordance with the requirements of By-law 44.

Under this heading it is thought desirable to call the attention of members to the powers of the Council under By-law 3 (*d*), which enable them to transfer to the Fellowship Professional Associates of not less than twenty-five years' standing, although they have not passed the Final Examination, provided that they have attained a standing in the profession which would justify their transfer to the highest class of membership. This power was acquired for the purpose of removing what has been a source of grievance in the past among Professional Associates of long standing who had not passed the Final Examination, a class which will gradually disappear, as since 1913 (apart from certain concessions to ex-soldiers) all candidates must have passed both the Intermediate and Final Examinations before coming up for election as Professional Associates.

Membership.

The statistics of membership are interesting as showing the greatest increase in any one year since the foundation of The Institution, and at the same time the largest total membership during its existence. The previous largest total was in 1914, immediately before the war, when the numbers were 5,338; it will be seen that this has now been exceeded by 390. During the war 307 members lost their lives on active service, and other deaths or resignations occurred, while the stream of new members was cut off. As a result the total membership dropped to 4,803 in 1918. It is satisfactory to note that this loss has now been made good, and that the pre-war level has been passed. The great increase of 474 for the year is attributable to a specially large balloting list of 366 candidates and to the amalgamation with the Quantity Surveyors' Association, which together have far outweighed losses from death or resignation.

The Council are pleased to report an increase of 43 in the Probationers. This class is likely still further to increase in future, as it is looked upon as important that successful examinees should have some connection with The Institution while qualifying for election as professional members. To insure this it has been decided that in future

applicants for the Intermediate Examination will only be permitted to sit on the understanding that if successful in passing they will be enrolled as Probationers, and so remain for three years unless previously elected Professional Associates.

TABLE A.

	Honorary Members.	Fellows.	Colonial Fellows.	Professional Associates.	Associates.	Probationers.	Students.	Total.
May, 1921	25	2281	98	2553	47	45	205	5254
„ 1922	29	2541	106	2683	44	88	237	5728
	+4	+260	+8	+130	-3	+43	+32	+474

TABLE B.

	Members (or "Fellows" after 1881).	Associates.		Probationers.	Students.	Total.
		Professional.	Ordinary.			
May, 1869 ...	162		38		2	202
„ 1870 ...	180		59		2	241
„ 1880 ...	342		155		10	507
„ 1890 ...	1095	310	89		123	1617
„ 1900 ...	1883	757	88		336	3064
„ 1910 ...	1862	1970	75		365	4272
„ 1920 ...	2191	2510	47	36	132	4916
„ 1921 ...	2281	2553	47	45	205	5131
„ 1922 ...	2541	2683	44	88	237	5593
Honorary Members ...						29
Colonial Fellows ...						106
1922 Grand Total...						5728

In 1883, "Associates" were divided into "Ordinary" and "Professional" Associates.

The Council have to deplore the death during the year of many prominent members, in addition to that of the President, Mr. J. H. Sabin. In February last Mr. Andrew Young, who occupied the Presidential Chair in 1919 with so much courtesy and ability, died of pneumonia after a short illness in the south of France, where he had gone to recruit after the winter; Mr. W. P. Ryan, Member of

the Council since 1919, and Mr. John Farrer, who retired from the Council in 1913 on account of ill health after thirteen years' good service, have also died since the issue of the last Annual Report; while Mr. G. J. J. H. G. Fraser, the first member to hold the judiciary position of Official Arbitrator for Scotland under the Acquisition of Land Act, 1919, died very suddenly in April.

Obituary notices have appeared in the *Journal* in respect of these and other members, of whom, owing to their lengthy connection with The Institution, reference may here be allowed to the following: Mr. F. B. Buckland (1871), Windsor; Mr. Frederick Lee (1874), London, for many years an examiner for The Institution; Mr. Frederick Fowler (1882), Sheffield; Mr. W. H. Cronk (1883), Sevenoaks; Mr. Edward Bettridge (1883), Birmingham; Mr. H. M. Grellier (1884), London; Mr. G. C. Phillips (1884), Chelmsford; Mr. W. C. Pickering (1884), North Wales; Mr. S. B. Saunders (1884), London; Mr. E. J. Cheney, C.R. (1888), London; and Mr. G. D. Willmot (1889), Birmingham.

The Council desire to record their sincere sympathy with the relatives in their bereavement.

Finance.

As will be seen from the Balance Sheet at the end of this Report, the cash in hand at the commencement of the year amounted to £3,014, and that at the end of the year to £2,406, indicating that the total expenditure during the year had exceeded the total receipts by £608. The deficit is mainly attributable to an increase in the cost of printing, postages, rates and taxes, repairs, &c., and in the expenditure on County Branches, the *Journal*, and new Charter and By-laws. The latter expense will not recur in the coming year, but a careful estimate of the probable increases and decreases in the various items of expenditure and receipts would seem to indicate that the deficit of £608 for 1922 may be approximately doubled in 1923. In the circumstances the question whether the time has not arrived when The Institution must follow the precedent of every other leading professional society, and increase the annual sub-

scriptions of members, has become urgent. As indicated in a later paragraph of this Report, it was discussed at the Conference of Officers of the County Branches and the Council on 3rd April, when the opinion was generally expressed that some increase had become necessary. The question will be further considered during the coming year, with a view to proposals thereon being formulated and submitted to members.

The Examinations.

The arrangement under which a Special Single Examination, in place of the Intermediate and Final Examinations, was set up for the purpose of enabling ex-Service candidates to complete their examination tests in one instead of two years, has now been ended. This examination will be held again next year in order to enable those candidates who failed on the present occasion to make a second attempt, but new candidates will not be accepted, nor will the examination be held after 1923.

TABLE C.

Years.	Preliminary Examinations.			Professional Examinations.		
	Candidates.	Passed.	Percentage.	Candidates.	Passed.	Percentage.
1881	13	6	46·15	2	1	50·00
1890	53	44	83·01	96	70	72·91
1900	131	102	77·86	325	193	59·38
1910	130	95	73·08	623	437	70·14
1911	137	92	67·15	768	516	67·18
1912	121	78	64·46	1,102	738	68·76
1913	146	93	63·69	1,266	724	57·19
1914	145	100	68·96	1,095	670	61·19
1915	84	61	72·61	526	290	55·13
1916	44	32	72·72	140	80	57·15
1917	34	26	76·47	73	52	71·23
1918	32	24	75·00	53	40	75·47
1919	23	19	82·60	85	65	76·47
1920	70	55	78·57	487	322	62·12
1921	75	64	85·33	868	544	62·67
1922	71	59	83·09	738	478	64·77

Tables C and D show the number of candidates who sat for the Examinations and the number who passed.

In the Typical Subjects only, 114 candidates sat, 89 of whom were successful.

The number of examinees sitting at Glasgow was 31, of whom 5 entered for the Intermediate, 5 for the Final, 2 for the Direct Fellowship, 13 for the Special Single, and 6 for the Typical Subjects only. Of these 17 satisfied the examiners, while 9 were referred back in their Typical Subjects.

Eight candidates sat at Dublin, 3 for the Intermediate, 2 for the Final, and 3 for the Special Single. Of these 4 were successful.

TABLE D.
England and Wales.

	Sub-Division I. Land Agency			Sub-Division II. Valuation.			Sub-Division III. Building and Quantities.			Sub-Division IV. Mining.			Percentage of Candidates who Passed.
	Examined.	Passed.	Referred Back in Typical Subject.	Examined.	Passed.	Referred Back in Typical Subject.	Examined.	Passed.	Referred Back in Typical Subject.	Examined.	Passed.	Referred Back in Typical Subject.	
Intermediate Examination, Students	18	11	—	38	27	—	20	6	6	2	2	—	58·97
Intermediate Examination, Non-Students	32	17	1	97	58	1	93	51	6	5	3	—	56·83
Final Examination	40	37	1	66	57	6	39	31	4	2	1	—	85·71
Direct Fellowship Examination	—	—	—	5	4	1	4	1	3	1	—	—	50·00
Special Examination	23	15	—	52	23	10	46	22	6	2	2	—	50·40
Totals	113	80	2	258	169	18	202	111	25	12	8	—	62·90

The Special Diploma Examinations.

The Special Diploma Examinations were held in July for Forestry, Sanitary Science, and Rating candidates. Of these 3 proved successful in Forestry, 1 in Sanitary Science, and 3 in Rating.

In future these examinations will be held triennially from 1920; if, however, before 1st January in any intermediate year, 8 candidates intimate their desire to sit in any subject, arrangements will be made for an examination to be held in that subject during the year.

The Council regret that a larger number of members do not take advantage of these examinations. Apart from the fact that advanced study in any particular subject arouses an interest therein which is in itself a pleasure to the student, the possession of a Special Diploma should prove a valuable professional asset to the holder as indicating an expert knowledge of the subject.

During the session the existing holders of the Special Diploma in Forestry, with the support of the Council, organised a series of lectures in Forestry, with the object of arousing a keener interest in this fascinating subject, not only among prospective Diploma candidates but among members generally. The following addresses were given:—

- “Relationship to Forestry of the State, the Landowner, and the Land Agent,” by Mr. Leslie S. Wood (Fellow), Forestry Diploma and Watney Prizeman;
- “Principles of Sylviculture,” by Professor Fraser Storey, the Forestry Commission;
- “Forestry Entomology,” by Dr. J. W. Munro, Entomologist of the Forestry Commission;
- “Forest Botany,” by Major K. W. Braid, B.A., M.Sc.;
- “Practice of Sylviculture,” by Mr. Leslie S. Wood, in place of Professor H. A. Pritchard (Fellow) (the Forestry Commission), Forestry Diploma and Watney Prizeman;
- “Commercial Uses of Timber,” by Mr. M. C. Duchesne (Fellow), Forestry Diploma and Watney Prizeman.

On behalf of The Institution the Council desire to record their warm thanks to these zealous aboriculturists for their services in giving this series of lectures. They hope that their efforts to create another band of enthusiasts among the younger generation of members may bear fruit.

The Examiners.

In accordance with precedent a list of The Institution examiners is given. Only three changes have been made since last year, Mr. W. Selves Walker taking The Principles and Practice of Valuations and Use of Valuation Tables for Sub-Divisions I. and III., *vice* Mr. A. Norman Garrard; Major A. E. Gayer, M.C., taking Mensuration, Mechanics and Hydrostatics, in place of the late Mr. Keith Robinson; and Mr. W. R. Davidge resuming his duties as examiner in the London Building Acts, Mr. Lawton R. Ford having acted as his substitute while Mr. Davidge was engaged upon professional duties in India.

The thanks of The Institution are due to all those who so generously undertake the heavy work of examination. The number of candidates referred to in the earlier sections of this Report affords an indication of the arduous character of this work.

The following is a list of The Institution Examiners:—

MR. THOMAS BINNIE.	MR. J. E. DROWER, C.B.E.
MR. A. BODY.	MR. M. C. DUCHESNE.
MR. E. WITTON BOOTH, M.B.E.	MR. C. GERALD EVE.
MR. G. L. BRIGHTON.	MR. W. H. EVE.
MR. A. BURNETT BROWN.	MR. M. FITZGERALD.
MR. G. T. BROWN.	MR. WILLIAM FRASER.
MR. J. W. WILLIS BUND, C.B.E.	MR. GORDON T. FREW.
MR. J. BURY.	MR. H. FREYBERG.
MR. H. W. CARLTON.	MAJOR A. E. GAYER, M.C.
MR. C. CHART.	MR. J. GILCHRIST.
MR. W. A. CHEEKE.	MR. P. F. GLEED.
MR. ROBERT COBB.	LT.-COL. J. GRIMWOOD, C.B.,
SIR H. COURTHOPE-MUNRO, K.C.	D.S.O.
MR. J. L. CROUCH.	MR. C. O. HANSON.
MR. A. L. CURRIE.	MR. F. H. A. HARDCASTLE.
MR. DONALD CURRIE.	MR. T. W. A. HAYWARD.
MR. W. R. DAVIDGE.	MR. EUSTACE HILLS, K.C.
MR. DONALD DINWIDDY.	MR. F. HUDLESTON.

MR. JOHN HUME.	MR. A. PURDIE
MR. F. W. HUNT.	MR. W. G. S. ROLLESTON.
MR. E. M. KONSTAM, K.C., C.B.E.	MR. A. L. RYDE.
PROF. J. T. JACKSON.	MR. E. H. N. RYDE.
MR. J. JOHNSTONE.	MR. E. J. SILCOCK.
MR. CUTHBERT LAKE.	MR. S. L. THACKER.
MR. F. J. LLOYD.	MR. GILBERT THOMSON.
MR. JOHN LUKE.	MR. H. T. WALES.
MR. W. MCCrackEN.	MR. E. WALFORD.
MR. R. B. MANN.	MR. ALEXANDER WALKER, C.B.E.
MR. P. T. MAW.	MR. W. SELVES WALKER.
MR. R. F. MIDDLETON.	MR. A. T. WALMISLEY.
MR. H. P. MONCKTON.	MR. H. J. WATSON.
MR. E. C. P. MONSON.	MR. JOHN WATSON, M.B.E.
MR. E. J. NALDRETT.	MR. M. L. WHELDON.
MR. T. A. O'DONAHUE.	MR. E. WILLIS.
MR. A. PAULL.	MR. J. WILSON.
MR. E. C. PINKS.	MR. L. S. WOOD.
PROF. H. A. PRITCHARD.	MR. H. G. B. WYATT.

The College of Estate Management.

At the Annual Conference of the Council and Officers of the County Branches in May, 1921, the principal subject of discussion was whether The Institution should give its official support to the College of Estate Management, a resolution being passed favourable to co-operation, subject to The Institution being given an equal share with the Auctioneers' and Estate Agents' Institute in the control and management of the College and to the financial position of the College appearing to be satisfactory.

The subject was subsequently referred by the Council to a Special Committee, which after several conferences with representatives of the Board of Governors reported in favour of co-operation by The Institution, laying down the main principles which in their opinion should be followed. A special meeting of the Council was held to consider the report of the Committee, and, on the recommendations contained therein being approved, negotiations were entered into with the Board of Governors. As a result of these negotiations a humble petition has been addressed to His Majesty jointly by The Institution, the Auctioneers' and Estate Agents' Institute and the Board of Governors pray-

ing that a Royal Charter may be granted to the College. In the draft Charter and By-laws The Institution is throughout given equal powers with the Auctioneers' and Estate Agents' Institute.

The several bodies promoting the petition are very hopeful that it may be successful, but in any event the provisions contained in the draft Charter and By-laws embody the terms upon which The Institution will support the College. In view of the donations already received from other sources, financial support by The Institution is naturally expected. It is proposed to give a capital sum of £5,000 and an annual subscription of £500 for ten years from Institution funds, and also to issue an appeal to members soliciting their support for the College.

The College has now definitely been housed at 35, Lincoln's Inn Fields. Tuition can be obtained in the form of either classes or correspondence courses. In connection with the latter, arrangements are being completed for weekly visits by members of the College staff to the principal provincial centres with the object of providing that personal touch between teachers and students which is such an effective aid to education. The total number of students exceeds one thousand, and a successful future for the College seems assured.

The Institution Scholarships.

In January the examination was held for the four scholarships offered annually by The Institution, and tenable at any recognised university in a course approved by the Council as appertaining to the surveyor's profession.

The response on this occasion was disappointing, only four candidates presenting themselves, and of these only one approached the standard of distinction recognised in the higher certificate of the Oxford and Cambridge Board, which is necessary to secure election to a scholarship.

The successful candidate, William Robinson Brackett, is a son of Mr. W. N. Brackett (Fellow), of Retford. He is eighteen years of age, and has been educated at Bishop's Stortford School. He proposes to hold his scholarship at

Reading University College, taking a B.Sc. in Science and Agriculture at London University, and the National Diploma in Agriculture.

The scholarship examinations were again carried out by the Oxford and Cambridge Joint Board, to whom The Institution is greatly indebted for their services.

The Monthly Journal.

A notable change has taken place during the year with regard to The Institution publications. It will be remembered that among the proposals placed before the Council, when considering the future policy of The Institution on the completion of its Jubilee, was the issue of a monthly journal in substitution for the *Transactions* and *Professional Notes* in the form they have for so many years been issued to members.

In deciding to make this change the Council were influenced by the fact that a monthly journal would enable them to place before members information of immediate interest at shorter and more regular intervals, and in a form likely to prove more convenient to recipients. As, however, many members might regret a break in the series of *Transactions* covering upwards of fifty years, Papers read at Ordinary General Meetings, with the discussions thereon, have been treated as an Appendix to the *Journal*, and may still be separately bound and the old series continued.

From expressions of opinion which have been received there is reason to believe that the issue of the *Journal* has been welcomed by members, and that the form of the publication and the matter contained therein are appreciated.

In addition to the Opening Address of the late President, which covered a wide ground and aroused great interest, not only in the profession but in agricultural circles in all parts of the kingdom, the following Papers have been read during the session:—

“The Relation of Soil to Plant Growth,” by Mr.
A. A. Hudson, K.C. (Associate);

"The Problems of Greater London," by Mr. W. R. Davidge, F.R.I.B.A., A.M.I.C.E. (Fellow);

"The Analysis of Building Costs," by Mr. B. Price Davies (Fellow);

"The Experience of a Divisional Officer (Timber Supply Department) during the War," by Professor H. A. Pritchard (Fellow);

"Agricultural Valuations," by Mr. Robert Cobb (Fellow).

The questions dealt with in Mr. Davidge's able Paper are arousing special interest at the present time, owing to the fact that the future development and government of Greater London is the subject of inquiry by a Royal Commission under the chairmanship of Lord Ullswater. It is not surprising, therefore, that a second evening was found necessary for the discussion of the many problems touched upon in the Paper.

The thanks of the Council and members are due to those who have provided so interesting a series of Papers for discussion.

Apart from domestic matters, such as reports of County Branch meetings, a number of useful articles and reports on subjects of current interest have appeared in the *Journal*, while the section dealing with Government, official and other publications, Parliamentary Bills, &c., enables members to keep in touch with proposed legislation and other matters the subject of official inquiry or report.

Extracts from the Council Minutes and reports of County Branch Meetings also are regularly inserted, in order that members interested in the work of The Institution may keep themselves informed thereon.

The Library and Forestry Museum.

In addition to a number of new books on professional subjects and fresh editions of standard works which have been purchased during the year for the Reference and Loan

Libraries, The Institution has benefited by the presentation of *The Seats of the Nobility and Gentry* (Watts, 1779) by Mr. C. H. Bedells, and *Views of Ruins* (Buck, 1731) by the late Mr. Frederick Lee. Mr. J. H. Clutton presented a framed plan of the proposed lay-out of The Mall and surrounding district in the early part of last century, and the late Mr. Sabin a coloured engraving showing the Marble Arch in its original position in front of Buckingham Palace.

A collection of beetles destructive to timber, arranged and presented by Mr. A. D. C. Le Sueur, will form a useful addition to the Forestry Museum.

Members are greatly indebted to those who have so generously added to the attractions of the Library and Museum.

During the year, at the request of the Scottish and the Lancashire and Cheshire Branches respectively, a trial has been given to the suggestion—which has been made on more than one occasion in the past—that branch libraries should be formed in the provinces. Local libraries have now been established in Glasgow and Liverpool, the County Branch in each case acting in co-operation with an existing library or kindred professional society. These centres, with their large surrounding membership, have been well selected to show whether the use made of a local library justifies a decentralising movement of this kind, or whether the need for books is better met by the Loan Library at The Institution. The result of the experiment will be watched with interest.

The Council welcome the increased interest which has been shown recently in the Forestry Museum, particularly among students preparing for examinations.

Facilities were given for candidates attending the lectures of the College of Estate Management to visit the Museum. It is proposed to encourage the study of wood technology, and to include further exhibits of value to students, particularly those illustrating the commercial utilisation of native timber.

The Museum should be a source of interest also to members other than students, to land agents, who should be specially interested in the production and sale of native

timber, and to surveyors, architects, and others, who are concerned as to the quality and uses of different classes of timber.

The series of special forestry lectures already referred to have emphasised the importance which is undoubtedly attaching to the commercial and practical side of forestry.

The Standing and Special Committees.

During the year upwards of eighty meetings of Standing or Special Committees have been held. With the return of normal conditions the ordinary work of The Institution in connection with examinations, elections, transfers to higher classes of membership, and similar domestic matters, tends to increase, but the special work during the year has also been heavy. The Parliamentary Bills Committee has dealt with measures such as the Law of Property Bill, the Housing Bill, and the Metropolitan Water Board (Charges) Bill; while Special Committees, often in conference with representatives of other professional societies, have prepared reports upon The Effect of the Agricultural Act, 1920, on Farm Agreements (*Journal*, p. 29); The Taxation of Woodlands (*Journal*, p. 92); Allotments, for use of the Departmental Committee on Allotments (*Journal*, p. 239); Farm Records (*Journal*, p. 279); Burdens on Land (*Journal*, p. 404). Evidence has also been prepared for submission to the Royal Commission on Greater London and the Departmental Committees on Crown and Government Property and Cost of Building.

Other questions which have been dealt with during the year, or are still the subject of discussion, are the Registration of the Profession, in conjunction with the Auctioneers' and Estate Agents' Institute and the Land Agents' Society; the possibility of amalgamation with the Land Agents' Society; the desirability of an amendment of the London Building Acts, so as to permit the erection of higher buildings; and the prevention of the sterilization of building land during the preparation of town planning schemes.

The Quantity Surveyors' Committee, which has since

the amalgamation with the Quantity Surveyors' Association been reconstituted in accordance with the agreement with that body, has been fully occupied with negotiations with the Ministry of Health on the subject of surveyors' fees in connection with abandoned or partially abandoned housing schemes. An understanding with the Ministry, having been arrived at and approved by a special meeting of Quantity Surveyors called to consider the proposals, was embodied in General Housing Memorandum No. 58, issued by the Ministry in November last (*Journal*, p. 259). The Joint Committee on Methods of Measurement are making progress with and hope shortly to complete their work.

The County Branches.

The Council are pleased to report that the renewed activity of County Branches since the war, to which reference was made in the last Annual Report, has been maintained and in some cases increased. Meetings have been regularly held in the great majority of districts, and 21 out of a total of 24 Branches have been visited by the late President, Mr. Sabin, or by the Secretary, or in many instances by the two together.

Series of meetings during the winter for the purpose of discussing professional subjects and matters connected with The Institution have been arranged by some Branches; and in this connection the programme of the Lancashire and Cheshire Branch (see p. 325) may be given as an example of what may be done to interest members unable to attend the Ordinary General Meetings in London. The meetings, which are well attended, are held at different centres at 5.30 p.m., and after the discussion arrangements are made for those present who so desire to dine together.

One or more of the London Branches have taken a somewhat similar course, meetings being preceded by an early and inexpensive meal at a restaurant. These efforts to interest members in the work of the Branches and of The Institution are of the greatest value in helping to build up the corporate spirit upon which the strength of a professional body must largely depend.

PROGRAMME OF LANCASHIRE AND CHESHIRE BRANCH, 1921-22.

Date.	Where Read.	Author and Title of Paper.
1921.		
October 3 ..	Liverpool ..	MR. I. DIXON— "Motor Traffic and Roads."
November 7 ..	Manchester ..	MR. J. F. LINNEY— "Real Estate (Urban) in War Time and After."
December 5 ..	Liverpool ..	MR. A. D. LOMAS— "Holdings of Property, Irrigation, Taxation and Cultivation in Mesopotamia."
1922.		
February 6 ..	Warrington ..	MR. L. R. WILSON— "Some Problems of the Development and Sale of Building Land."
March 6 ..	Manchester ..	MR. F. W. MARKHAM— "Some Notes on Church Lands and their disposal, with special reference to the Glebe Lands Act, 1888."
April 3	Liverpool ..	MR. H. C. KILLENDER— "Town Planning."
May 8	Manchester ..	ANNUAL MEETING.

A great increase of responsibility has been imposed upon County Branches by the new By-laws providing for geographical representation on the Council. The duty of nominating representatives for the districts to be included in the Balloting List has aroused considerable interest in the Branches, and the instructions issued on the subject have been carried out satisfactorily.

The Annual Conference between the Council and the Chairmen and Hon. Secretaries of County Branches, held at The Institution on 3rd April, was attended by fifteen Members of Council and twenty-nine representatives of the County Branches. The following subjects were placed upon the agenda for discussion: (1) The financial position of The Institution, more particularly with reference to the need for an increase of the subscriptions of members; (2) the desirability of co-operation between adjoining Branches for the purpose of arranging occasional joint meetings; (3) the possibility of amalgamation with the Land Agents' Society; (4) the Registration of the profession; and (5) the most convenient time and date for future meetings. The Con-

ference proved most valuable in eliciting the views of members in all parts of the United Kingdom, and doubtless the reports to their Branches made by those attending will enable these questions to be further discussed locally before any definite action is taken thereon.

Table E shows the division of the United Kingdom into County Branches, together with the names of the Chairmen and Hon. Secretaries :—

TABLE E.

Committee.	Chairman.	Hon. Secretary.	Number of Members.
Bedford, Essex, Hertford, and Middlesex	J. J. Done	A. W. Merry	531
Berks, Bucks, and Oxon ...	C. Dalgleish	A. S. Shorney	135
Cambridge, Huntingdon, Norfolk, and Suffolk	J. E. Bidwell	E. O. Hines	144
Cumberland and Westmorland	W. J. Heskett	T. Brown	42
Devon and Cornwall ...	H. B. Beddall	J. F. Bowden	117
Gloucester, Somerset, and North Wilts	C. Herbert Smith	R. H. K. Price	168
Hampshire, Dorset, and South Wilts	G. N. Rawlence	H. E. Duke	212
Irish Branch	W. H. F. Verschoyle	B. J. Newcombe	187
Kent	W. Day	R. Cobb	191
Lancashire and Cheshire ...	S. A. Kelly	D. O. Dunlop	411
Leicestershire, Northamptonshire, and Rutland	G. German	J. L. Woolley	76
London (City and Eastern) ...	P. F. Tuckett	G. L. Vigers	404
London (North West) ...	F. E. Eiloart	H. How	556
London (South Western) ...	A. W. Taylor	B. Briant	488
Northumberland and Durham	J. Mc C. Clark	W. Turpin	124
Nottingham, Lincoln, and North Derby	C. J. Clements	A. A. Walton	116
Salop, Hereford, and Mid-Wales	J. Edmonds	A. M. Hickman	57
Scottish... ..	J. C. Murray	D. M. Mackay	259
Surrey	C. Chart	T. Brent	319
Sussex	M. D. Bannister	R. M. Ogilvie	150
Wales (North)... ..	W. E. Jones	T. Barlass	44
Wales (South) and Monmouthshire	Col. F. D. W. Drummond	Captain J. H. Roberts	188
Warwick, Worcester, Stafford, and South Derby	H. J. C. Winter-ton	E. G. Bigwood	259
Yorkshire	R. Hayton Thorp	G. F. Weatherill	268

Thanks to beautiful weather, and the excellent arrangements of the local committee, the Annual Country Meeting,

which was held at Norwich in July last, proved most successful, and the programme, which included a visit to Sandringham, where members were the guests of His Majesty, was thoroughly enjoyed by all who were privileged to attend. An account of the meeting will be found on page 60 of the *Journal*.

Before leaving this section of their Report the Council desire to acknowledge the assistance they have received from County Branches in connection with various matters submitted to them for their opinion during the year. Valuable memoranda were received on such subjects as Allotments, Greater London, Burdens on Land, &c., which proved of real assistance to the Council in preparing the reports or *précis* of evidence issued on behalf of The Institution. The Branches have also interested themselves in securing the support of members for the Benevolent Fund. Although this is outside the ordinary work of The Institution, the Council recognise the great value of their co-operation in this respect.

The Junior Meetings.

The interest in these meetings, referred to in the last Annual Report, has been more than maintained. The average attendance has still further increased, while the standard of the Papers read, and the discussions upon them which have taken place, indicate that the material from which The Institution *Transactions* of the future will be obtained should in no way depart from the high level of the past.

The President's Prize was awarded to Mr. H. Stewart Logsdon (Professional Associate) for a Paper on "Proposals for improving the Law and Practice of Rating," which will be found on page 334 of the *Journal*, and well deserves study by those interested in this subject. A Paper entitled "Present-Day Problems affecting the Ownership and Management of Small-Class Property," by Mr. H. J. Rubens, obtained second place, and was awarded the prize kindly offered by the members of the 1913 Club.

The meeting on 3rd April was given up to a mock rating assessment appeal, Sir H. Trustram Eve, K.B.E., acting as

Chairman of Quarter Sessions. In spite of most inclement weather about one hundred members attended, and were rewarded by an excellent exposition of their parts by the members who undertook respectively the duties of counsel, solicitors, and witnesses.

The social side, also, is not overlooked. The Dance in January and the Annual Dinner in May, arranged by the Junior Members Committee, were most successful, and were thoroughly enjoyed by the large numbers who were present.

In recognition of the good work done by these meetings, a record of the names of the Chairmen and Hon. Secretaries since the meetings were first organised in 1889 has been placed in the Entrance Hall, and was unveiled by Mr. Sabin only four days before his death. The words of approbation and encouragement he then addressed to the large number of past and present officers and junior members will long be remembered by those who heard them.

The Council are pleased to report that the organisations which have been formed in Scotland, Yorkshire and Lancashire have held a number of meetings during the year, the interest in which has been shown by the increase in the attendance. Junior members in these districts are greatly indebted to the officers who have shown so much enthusiasm in arranging the meetings, and to those who have prepared Papers for discussion. A movement is now being made to form another branch in Birmingham.

Miscellaneous.

During the year the following members have served on the Royal Commissions, Departmental Committees, &c., indicated:—

“The Royal Commission on Oxford and Cambridge Universities,” Mr. H. M. Cobb, C.B.E., Sir Howard Frank, Bart., K.C.B., and Sir John Oakley.

“The Royal Commission on War Damage Reparations,” Mr. Edgar Horne, M.P., and Mr. J. H. Sabin. On the regrettable death of Mr. Sabin, Sir John Oakley was appointed to take his place.

"The Disposal and Liquidation Commission," Sir Howard Frank, Bart., K.C.B., as Chairman, in place of Lord Inverforth, resigned.

"The Departmental Committee on Crown and Government Property," Sir Howard Frank, Bart., K.C.B., Chairman, with Sir John Oakley and the Hon. Edward Strutt, C.H.

"The Departmental Committee on Allotments," Mr. John Gilchrist.

"Irish Compensation Commission," Mr. C. J. Howell-Thomas.

"International Board of the Reparation Commission to investigate the Indebtedness of Germany under the Treaty of Versailles," Mr. C. J. Howell-Thomas.

The Tribunal to arbitrate on differences arising between the Ministry of Health and local authorities on questions arising in connection with houses provided by local authorities, Sir Edwin Savill, O.B.E.

Mr. H. B. Napier has been nominated to represent The Institution on the Court of Bristol University, and Mr. C. H. Bailey on the Committee appointed by Birmingham University to advise the Mining Department on questions of policy arising out of its work. Mr. F. H. A. Hardcastle represents The Institution on the Conjoint Board of Scientific Societies. Sir Edgar Harper has been nominated to succeed Mr. Sabin as the representative of The Institution on the Governing Body of the City of London College.

The late President, Mr. J. H. Sabin, submitted a list of members experienced in agricultural valuations to the Lord Chief Justice, when engaged in drawing up the panel of arbitrators under Section 21 of the Agriculture Act, 1920. These have been included in the panel which was prepared by Lord Trevethin for the Minister of Agriculture.

ADDENDUM.

Notes from the Reports of Examiners.

The comments of the examiners in connection with the recent examinations are in the majority of instances of a general character. While some very good papers were sent in, there are still too many cases where candidates lose marks through carelessness in reading the question and appreciating the point on which the examiner requires an answer; many, too, do not appreciate the importance of setting out their answers in a concise and clear manner. As an example of the former it may be stated that in one paper the composition of certain seeds was asked. The majority of the candidates described the structure which is a botanical and not a chemical matter.

Many candidates, also, wrote at great length on matters that are not included in the question.

Perhaps it is not unnatural that in criticising the work of candidates in an examination of this character the examiners should enlarge upon the lack of practical experience exhibited by many of the candidates. That is a fault which time will remove, but it is of importance that greater effort should be made to combine practice with theory, and to apply the principles which have been learned in the class-room to the practical questions set in the examination.

Sub-Division I.

Agricultural Valuations.—The effect of the Agriculture Act, 1920, has not been clearly grasped.

Farm Homesteads.—Too little study has been given to the various sizes of brick walls and timbers for roofs, &c., required for different sizes and classes of buildings.

Land Drainage.—Although little drainage has been done of late years and prices are still somewhat chaotic, candidates

should embrace every opportunity of visiting drainage operations and testing their study of theory against the actual work on the ground.

Agricultural Botany.—The botany of mountain grazings requires further study. This is of increasing importance in view of their grazing and sporting value, and also their value as catchment areas for waterworks. The value of these grazings depends greatly on the proportions in which the different plants of which they are constituted occur.

Sub-Division II.

Valuations.—Too little attention was given to the value of a property let on lease at a low rent with a reversion to a higher one, as compared with one let at a rack rent.

Candidates also seemed at a loss in calculating the new rent or premium to be paid on the surrender of a lease where the tenant undertakes to expend a capital sum on additions and improvements, and the rental value has considerably increased.

Few candidates had any knowledge of the formulæ on which the various valuation tables are based.

Building Estates.—The methods of disposing of land upon ground rents, or perpetual rent-charges, appear to have been neglected by candidates practising in a locality where these customs do not prevail. Legislation governing town planning has received insufficient study, having regard to the fact that all towns of importance must now town-plan their districts, and building estate generally will be intimately affected thereby.

Sub-Division III.

Quantities.—Lack of method is noticeable. Dimensions are taken haphazard, without any sequence, system, or recognised method being adopted. Some candidates measured a pitched roof as if it were a flat, *i.e.*, dimensions of hips and slopes were taken as seen on the plan. The science of estimating has been insufficiently studied, and some candidates appeared to have a difficulty in working out the areas of circles.

The importance of figures being clear and easily read, and descriptions being intelligible, should be realised.

Constructive and Working Drawings.—Replies indicated a want of preparation in detail of carpenter's and joiner's work, and generally a failure to grasp the main principles of construction.

Building Materials.—Too little attention had been given to the preparation and composition of mortars and plaster.

Iron and Timber Roofs.—The importance of the connections in the details of steel roof joints is still not sufficiently realised.

Heating and Ventilation.—There was a general failure to appreciate the different conditions required in a hot-water heating system and a system for supplying hot water for domestic purposes, and the consequent difficulties in trying to combine these services.

Sub-Division IV.

Valuation of Mineral Properties.—More study should be given to post-war conditions. A lack of knowledge was exhibited with regard to the methods necessitated by present conditions.

General.

Surveying and Levelling.—Some candidates still find a difficulty as to the scale to be used for plotting or computing areas, and seem to think that because a scale has the word "feet" upon it it cannot be used for links. In Question 1 it was stated that a measure of 100 links, each 1 foot in length, had been employed. The field-book was to be plotted to a scale of 2 chains to an inch, and a scale divided into 20 sub-divisions per inch should have been used, irrespective of whether it had the word "feet" or "chains" inscribed upon it. Two chains of 100 feet each measured by the divisions on the "feet" edge of the scale would measure more than the actual length of an inch.

The mistake often referred to before in connection with the level-book again appeared. The reduction, where the

levels covered more than one page, should be proved page by page to prevent an arithmetical error being carried forward.

The way to describe the datum line is still misunderstood in many cases; some candidates omit to describe it altogether, while others raise the datum for plotting to, say, 50 feet above Ordnance datum, and describe the datum line as 50 feet below without saying below what. Others take the first level to be plotted and describe the datum as below that level without reference to Ordnance datum.

Mensuration.—Many candidates were ignorant of the principles relating to similar triangles, and very few seemed to be aware that the radius of a circle circumscribing a triangle of any shape is equal to the product of the sides of the triangle divided by four times the area of the triangle. There was also a noticeable weakness in definition. Candidates would save themselves much time by a more general use of logarithms.

Road Making.—Insufficient knowledge of the Private Street Works Act, 1892, and Section 150, Public Health Act, 1875, was shown. Half the candidates described artificial flag or York stone paving as "*in situ*" paving, and had little idea as to the practical value or application of asphalt paving for carriage-ways or paths.

Law of Vendors and Purchasers.—More study of the law relating to bills of sale is required.

Law of Fixtures, Dilapidations, Easements, &c.—There is still much misunderstanding of the "fair wear and tear" proviso. Too many candidates think that it excuses the performance of a specific covenant to repair. The *ejusdem generis* rule is important in actual practice and should be better understood. Candidates are too much inclined to quote *Procdfoot v. Hart* in questions where it has no application.

1921.		ASSETS.				BALANCE SHEET,					
GENERAL ACCOUNT.						£ s. d.			£ s. d.		
Cash at Bankers and in hands of Secretary :—											
Current Account (including £75 Petty Cash)						...	406	15	2		
Deposit Account...						...	2,000	0	0		
									2,406	15	2
£7,095	16	9	War 5 % Inscribed Stock at 92½	...	6,537	0	9				
3,399	4	4	New South Wales 3 % Inscribed Stock at 70	...	2,379	9	0				
1,811	1	11	New South Wales 4 % Inscribed Stock at 70	...	1,267	15	4				
1,240	3	1	Metropolitan Water Board 3 % B Stock at 55	...	682	1	8				
1,000	0	0	5 % National War Bonds, 1928, at 100½	...	1,005	0	0				
3,314	18	7	India 3 % Stock at 51	...	1,690	12	3				
									13,561	19	0
The Leasehold Premises (999 years from 1893) No. 11, Great George Street, S.W., at cost									20,230	19	8
Furniture									1,135	14	8
<i>Library, Forestry, and Geological Account.</i>											
Cash at Bankers on Current Account						...	1,004	7	7		
£2,055	9	5	War 5 % Inscribed Stock at 92½	...	1,893	12	7				
401	16	9	West Australian Government 4 % Inscribed Stock at 70	...	281	5	9				
Library, Forestry, and Geological Collection						...	2,649	4	6		
									5,828	10	5
<i>Prize Endowment Account.</i>											
Cash at Bankers on Current Account						...	0	14	9		
£503	1	11	India 3 % Stock at 51	...	256	11	7				
278	0	0	Midland Railway 2½ % Debenture Stock at 46	...	127	17	7				
254	0	0	North British Railway 4 % No. 1 Preference Stock at 45	...	114	6	0				
426	0	0	War 5 % Inscribed Stock at 92½	...	392	9	1				
440	10	8	India 3½ % Stock at 57½	...	253	6	2				
500	0	0	Courage & Co. 3½ % B Debenture Stock at 46	...	230	0	0				
756	1	0	Conversion 3½ % Inscribed Stock at 67½	...	507	0	6				
									1,882	5	8
<i>Prize Endowment Income Account.</i>											
Cash at Bankers on Current Account									160	15	2
<i>Scholarship Account.</i>											
£2,922	13	10	War 5 % Inscribed Stock at 92½	...	2,692	10	7				
1,988	1	7	Metropolitan Water Board 3 % B Stock at 55	...	1,093	8	10				
2,324	14	0	New Zealand 4 % Inscribed Stock (1943-63) at 73	...	1,697	0	7				
1,813	3	0	Queensland 4 % Inscribed Stock (1940-50) at 70	...	1,269	4	1				
1,600	0	0	Canadian Pacific Railway 4 % Debenture Stock at 68½	...	1,096	0	0				
									7,848	4	1
<i>Staff Superannuation Fund.</i>											
261	1	1	War 5 % Inscribed Stock at 92½	...				240	10	1	
Amounts due, but not received at date, viz.:—											
Subscriptions						...	1,242	3	0		
Hire of Rooms						...	93	19	6		
Rent of Offices (Tribunal of Appeal)						...	36	10	0		
Rent of No. 11, Great George Street						...	225	0	0		
									1,597	12	6
									£54,893	6	5

31ST DECEMBER, 1921.

LIABILITIES.

1921.

	£	s.	d.	£	s.	d.
Accumulations Account				36,907	8	0
Library, Forestry, and Geological Account				5,828	10	5
"Prize Endowment" Capital Account				1,882	5	8
"Prize Endowment" Income Account				160	15	2
Scholarship Account—General	6,752	4	1			
" " "Penfold"	1,096	0	0			
				7,848	4	1
Staff Superannuation Fund				240	10	1
Sundry Creditors, Due to				2,025	13	0

We report that with the assistance of the Chartered Accountant we have examined the foregoing Accounts, and have obtained all the information and explanations that we required; and in our opinion such Accounts are correct. The foregoing Balance Sheet is properly drawn up so as to exhibit the true and correct state of The Institution according to the best of our information and the explanations given to us and as shown by the books of The Institution.

H. C. NEWMARCH,

H. STEWART LOGSDON,

Auditors.

We have examined the receipts and payments affecting the Accounts for the year ended December 31st, 1921, and find the same in good order and vouched. We have also examined the Deeds and Securities, and certify that they were in possession and safe custody as on 31st December, 1921.

TANSLEY WITT & CO.

5, Chancery Lane, London, W.C. 2.

6th April, 1922.

£54,893 6 5

31ST DECEMBER, 1921.

PAYMENTS.

	£	s.	d.	£	s.	d.	£	s.	d.
By <i>Transactions</i> : Reporting and Publication	1,446	9	7						
„ <i>Professional Notes</i> : Reporting and Publication	579	15	3						
				2,026	4	10			
“ <i>The Journal</i> : Reporting and Publication	762	19	9						
<i>Less</i> Amount received from Advertisements	155	19	4						
				607	0	5			
„ Agriculture Act Memorandum				260	7	6			
„ Salaries and Pensions				3,548	14	10			
„ Wages and Pension				458	6	6			
„ Postage and Receipt Stamps, General... ..	518	17	7						
„ „ „ <i>Transactions</i>	300	1	1						
„ „ „ <i>Professional Notes</i>	93	16	9						
„ „ „ <i>Journal</i>	104	8	0						
				1,017	3	5			
„ Rates, Taxes, Corporation Duty, and Insurance	2,834	17	11						
„ Staff Endowment Insurance	248	17	4						
				3,083	15	3			
„ Fuel, Light, and Water				284	11	10			
„ Ground Rent, <i>less</i> Tax	735	2	6						
<i>Less</i> Amount received from Tribunal of Appeal	120	0	0						
				615	2	6			
„ Stationery and Account Books				168	12	3			
„ Repairs				482	18	4			
„ Printing and Lithography				1,665	1	8			
„ Donations for Professional Objects				44	19	8			
„ Parliamentary Papers and Periodicals... ..				56	10	9			
„ County Branches and Junior Meetings				1,337	16	1			
„ Country Meeting—Norwich				96	6	0			
„ Law Charges				5	5	0			
„ Public Trustee Guarantees				1	16	4			
„ Housekeeper's Account, Sundries and Deficit on Annual Dinner				854	13	6			
„ Staff Superannuation Fund:—									
Purchase of £123 5s. 0d. 5% War Stock				110	0	0			
							16,725	6	8
CAPITAL ACCOUNT:—									
By Supplemental Charter and By-laws							555	3	0
„ Petty Cash in hands of Secretary				75	0	0			
„ Cash at Bankers on Current Account... ..				331	12	4			
„ „ Deposit Account				2,000	0	0			
							2,406	12	4

£19,687 2 0

2 F 2

"PRIZE ENDOWMENTS"

1921.	£	s.	d.	£	s.	d.
Dec. 31st. To Balance carried forward to 1922, viz. :—						
"Penfold" Gift—						
£503 1s. 11d. India 3 % Stock at 51	256	11	7			
"Beadel" Bequest—						
£278 Midland Railway 2½ % Debenture Stock at 46 	127	17	7			
"Crawter" Bequest—						
£254 North British Railway No. 1 Preference Stock at 45 	114	6	0			
"Watney" Gift—						
£320 14s. 9d. War 5 % Inscribed Stock at 92½ 	295	9	6			
"Driver" Bequest—						
£440 10s. 8d. India 3½ % Stock at 57½	253	6	2			
"Galsworthy" Gift—						
£500 Courage & Co. 3½ % B Debenture Stock at 46 	230	0	0			
"Mellersh" Bequest—						
£105 5s. 3d. War 5 % Inscribed Stock at 92½ 	96	19	7			
"Wainwright" Bequest—						
£756 1s. Conversion 3½ % Inscribed Stock at 67½ 	507	0	6			
Cash in hand 	14	9				
				1,882	5	8
				£1,882	5	8

"PRIZE ENDOWMENTS"

1921.	£	s.	d.	£	s.	d.
Dec. 31st. To Paid for "Beadel Prize" 	5	10	0			
,, Paid for "Driver Prize" 	10	0	6			
,, Paid for "Crawter Prize" 	6	12	6			
,, Paid for "Penfold Prize" 	22	15	0			
,, Paid for "Galsworthy Prize" 	17	4	0			
,, Paid for "Mellersh Prize" 	3	19	0			
				66	1	0
,, Balance carried forward to 1922... ...				160	15	2

CAPITAL ACCOUNT.

1921.		£	s.	d.
Jan. 1st.	By Balance brought forward from 1920 (including 14s. 9d. cash balance) ...	1,329	15	5
„	Purchase of £756 1s. Conversion $3\frac{1}{2}\%$ Inscribed Stock (“Wainwright” Bequest) ...	500	0	0
„	Increase in Value of Investments ...	52	10	3

£1,882 5 8

INCOME ACCOUNT.

1921.		£	s.	d.	£	s.	d.
Jan. 1st.	By Balance brought forward from 1920 ...				157	13	4
Dec. 31st.	„ Dividends (<i>less</i> tax) as under :—						
	“Beadel” Bequest ...	4	17	4			
	“Driver” Bequest ...	10	16	0			
	“Crawter” Bequest ...	3	11	1			
	“Penfold” Gift ...	10	11	4			
	“Galsworthy” Gift ...	12	5	0			
	“Mellersh” Bequest ...	3	13	8			
	“Watney” Gift ...	11	4	6			
					56	18	11
„	Cancellation of 3d. Midland Railway $2\frac{1}{2}\%$ Debenture Stock.....						3
„	Excess Expenditure carried to General Prize Account ...				12	3	8
					£226	16	2

GEOLOGICAL ACCOUNT.

1921.					£	s.	d.
Jan. 1st.	By Balance brought forward from 1920	...	...	...	5,439	2	2
Dec. 31st.	„ Increased Values at this date:—						
	Books purchased	...	...	...	52	15	6
	„ presented	...	...	...	10	6	0
	„ Dividends	...	...	...	83	4	0
	„ Donations	...	...	...	512	14	0
	„ Increase in Value of Investments	...	...	...	199	1	9

£6,297 3 5

ACCOUNT.

1921.					£	s.	d.
Dec. 31st.	By Balance brought forward from 1920	...	...	...	36,421	1	1
	„ Balance from Receipts and Payments (Capital Account)	...	...	...	772	1	0
	„ Increase in Outstanding Accounts	...	...	...	94	10	0
	„ Increase in Value of Investments	...	...	...	1,227	3	10
	„ Balance from Examinations	...	...	...	1,092	1	11
					£39,606	17	10

LIBRARY.

DONATIONS OF BOOKS, MAPS, &c.,

1st June, 1921, to 31st May, 1922.

DONOR.	TITLE OF WORK.
<i>Accountant</i> , Editor of the...	"The Accountant," 1921-1922.
Adkin, B. W., and D. M. Lawrence	Adkin, B. W., and D. M. Lawrence, "The Compulsory Purchase Acts."
<i>Agricultural Gazette</i> , Editor of the	"The Agricultural Gazette," 1921-1922.
Agricultural Organisation Society	"Report," 1921.
Agriculture, Ministry of ...	International Institute of Agriculture :— "Bulletins of Agricultural Intelligence," 1921-1922. "Bulletins of Economic and Social Intelligence," 1921-1922.
Allsebrook, R.	Bjanes, O. T. "A Short Review of Agriculture and Forestry in Norway."
American Institute of Mining Engineers	Parsons, G. H., "Notable Modern Shorthorns," 1906.
<i>Architect</i> , Editor of the ...	"Mining and Metallurgy," 1921-1922.
Auctioneers' and Estate Agents' Institute	"The Architect," 1921-1922.
Bath and West and Southern Counties Society	"Journal," 1921-1922.
Bedells, C. H.	"Journal," Vol. XVI., 1922.
Bledisloe, Lord	Chambers T., and G. Tattersall, "The Metropolitan Building Act, 1865."
<i>Board of Trade Journal</i> , Editor of the	Watts, W. "The Seats of the Nobility and Gentry," 1779.
British Engineering Standards Committee	Bledisloe, Lord, "Potatoes and Pigs, with Milk as the basis of Britain's Food Supply."
	"The Board of Trade Journal," 1921-1922.
	"Various Standard Specifications."

DONOR.	TITLE OF WORK.
British Engineers' Association	"Steel Structural Section," Quarterly Journal, 1921-1922.
British Fire Prevention Committee	"The Fire at the Venesta Works, Silver-town," 1917. "The Fire Resistance of Concrete and Reinforced Concrete."
British Sugar Beet Growers' Society	"Home-Grown Sugar," 1921-1922.
<i>British Trade Review</i> , Editor of the	Vallé, H. W., "The Transit Theodolite."
<i>Builder</i> , Editor of the ...	Brewer, H. W., "Old London, illustrated." [n.d.] "The Builder," 1921-1922.
<i>Building News</i> , Editor of the	"The Building News," 1921-1922.
Central and Associated Chambers of Agriculture	"Journal," 1921-1922.
Central Association of Agricultural and Tenant-Right Valuers	"The Position of the Agricultural Owner as affected by the Agriculture Act, 1920." "Eleventh Annual Report," 1920-1921.
Central Landowners' Association	"Quarterly Circular," 1921-1922.
Ceylon—Director of Public Works	Bingham, P. M., "History of the Public Works Department, Ceylon," Vol. 1.
Chartered Institute of Patent Agents	"Transactions," Vol. 39, 1920-1921.
Cliff, A. B.	Cliff, A. B., "Imperial Taxation" [1921].
<i>Concrete</i> , Editor of ...	"Concrete," 1921-1922.
Concrete Institute	"Transactions and Notes," Vol. 9, 1921.
<i>Contract Journal</i> , Editor of the	"The Contract Journal," 1921-1922.
Corporation of Insurance Brokers	"Journal," 1921-1922.
Davies, B. Price	Davies, B. Price, "The Building Estimator."
Dickson, R. H. B.	McIntosh, C., "The Practical Gardener," Vols. 1 and 2, 1828-1829. Library of Useful Knowledge.—Farmers' Series:— "Husbandry," 3 vols., 1834-1840; "Cattle," 1834; "Sheep," 1837; "Horse," 1831.
Dutton, J.	Hasluck, P. N., "Practical Plumber's Work" [1905]. Purchase, W. R., "Practical Masonry," 1904.

DONOR.	TITLE OF WORK.
Dutton, J.	Nicholson, "Architectural Dictionary," 3 vols., 1829.
	Lardner, D., "Museum of Science and Art," 8 vols., 1854-1855.
Eamer, A. S.	Turneare, F. E., and E. R. Maurer, "Principles of Reinforced Concrete Construction."
Egington, A. T.	Egington, A. T., "Effective Control of Water Supplies," 1921. (Pamphlet.)
Emery, H. C.	Emery, H. C., "Arbitration: A Manual of the Law and Practice," 1920.
Empire Forestry Association.	"Empire Forestry," March, 1922.
<i>Engineer</i> , Editor of the ...	"The Engineer," 1921-1922.
<i>Estates Gazette</i> , Editor of the	"The Estates Gazette," 1921-1922.
Farmers' Club	"Journal," 1921-1922.
<i>Field</i> , Editor of the ...	"The Field," 1921-1922.
Geologists' Association ...	"Proceedings," 1921-1922.
Gledhill, J. H.	Royal Engineers' Journal, Vol. 1 and Appendix, 1877.
Highland and Agricultural Society of Scotland	"Transactions," Vol. 33, 1921.
Illinois University	"Bulletins."
<i>Illuminating Engineer</i> , Editor of the	"The Illuminating Engineer," 1921-1922.
<i>Illustrated Official Journal (Patents)</i> , Editor of the	"The Illustrated Official Journal (Patents)," 1921-1922.
Institute of Land Surveyors of the Transvaal	"Journal," Vol. 4.
Institution of Civil Engineers	"Proceedings," 1921-1922.
Institution of Electrical Engineers	"Journal," 1921-1922.
Institution of Mechanical Engineers	"Proceedings," 1921-1922.
Institution of Mining Engineers	"Transactions," 1921-1922.
Institution of Municipal and County Engineers	"Journal," 1921-1922.
Labour, Ministry of ...	"Labour Gazette," 1921-1922.
<i>Land Agents' Record</i> , Editor of the	"The Land Agents' Record," 1921-1922.
Land Agents' Society ...	"Journal," 1921-1922.
Land Union	Black, C. C., and E. Watson, "The Agriculture Act 1920."

DONOR.	TITLE OF WORK.
Land Union	"Income Tax on Land and House Property" :—Notes on Deductions and Exemptions. "Journal," 1921-1922.
<i>Land Values</i> , Editor of ...	"Land Values," 1921-1922.
Lawrence, D. H.	Soper, J. P. H., "Law and Practice of Arbitrations." 3rd edition by D. M. Lawrence, 1921.
Leaning, H. J.	"London of the Future." Published by the London Society.
Liverpool Engineering Society	"Transactions," Vol. 41, 1920.
<i>Local Government Journal</i> , Editor of the	"The Local Government Journal," 1921-1922.
London and Middlesex Archaeological Society	"Transactions," 1920.
London Society	"Journal," 1921-1922.
Longmans, Green & Company (Publishers)	Ernle, Rt. Hon. Lord, "English Farming, Past and Present." 3rd edition, 1922.
Martin, T.	Pearman, Rev. W. T., "A History of the Manor of Besington," 1906. Torrington, Viscount, "Farm Buildings," 1845.
<i>Mining World</i> , Editor of the	"The Mining World," 1921-1922.
New South Wales Legislative Assembly	New South Wales :—"Annual Report of the Department of Mines," 1920.
	New South Wales :—"Annual Report of the Department of Public Works for the year 1920."
Paul (Stanley) & Company (Publishers)	Abbey, A. J., "A.B.C. Auction Sales Record of Old English Silver."
Property-Owners' Protection Association	"The Property-Owners' Journal," 1921-1922.
Rothamsted Experimental Station	Report, 1918-1920.
Royal Agricultural Society of England	"Journal," 1920.
Royal Dublin Society ...	"Scientific Proceedings, Vol. XVI., Nos. 14-34, 1920-1922.
Royal Engineers' Institute...	"Journal," 1921-1922.
Royal English Arboricultural Society	Quarterly Journal of Forestry," 1921-1922.
Royal Geographical Society of Australasia	"Journal," Vols. 34 and 35, 1918-1920.
Royal Institute of British Architects	"Journal," 1921-1922.

DONOR.	TITLE OF WORK.
Royal Sanitary Institute ...	"Journal," 1921-1922.
Royal Scottish Arboricultural Society	"Transactions," 1921-1922.
Royal Statistical Society ...	"Journal," 1921-1922.
Smith, Sydney A.	"Curtis' Valuation of Land and Houses," 5th Edition by S. A. Smith, 1920.
Société des Géomètres Experts de France	"Journal," 1921-1922.
Society of Architects ...	"Journal," 1921-1922.
South African Ministry of Agriculture	"Journal of the Department of Agriculture," 1921-1922. "Science Bulletins," 1921-1922.
South Wales Institute of Engineers	"Proceedings," 1921-1922.
Spelman, W. W. Rix ...	Spelman, W. W. Rix, "Lowestoft China," 1905.
Story, P. F., Lt.-Col., D.S.O.	Trigg, H. Inigo, and H. Tanner, "Some Architectural Works of Inigo Jones," 1901.
	Raggett, J. J., "A Series of Plans of Artisans' Cottages, with Quantities," 1900.
	Macartney, M. E., "Standard Examples of Architectural Details."
<i>Surveyor</i> , Editor of the ...	"The Surveyor," 1921-1922.
Tutting, Rev. W. C. ...	Tutting, Rev. W. C. :— "Some Explanatory Notes on Tithe Rent-Charge, and the Tithe Act, 1918." "Some Notes on the Case against the Rating of Tithe Rent-Charge attached to a Benefice." "A short History of the Ecclesiastical Tithe (Rates) Act, 1920."
Uganda Protectorate ...	"Annual Reports of the Land and Survey Departments," 1920-1922
Weekes, A. N.	Wood, F. "Modern Road Construction," 1920. (2 copies.)
Weller, H. O.	Weller, H. O., "Sand, Lime, and other Concrete Blocks," 1921. (Pamphlet.)
Wright, C. L.	Wright, C. L., "Licence and Liquor Duties," 1921. (Pamphlet.)

DONATIONS TO THE LIBRARY FUND.

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Halliday, G.	2	2	0	Overton, P.	2	2	0
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Hooper, A. F.	2	2	0	Park, E.	2	2	0
Hopper, G.	2	2	0	Parkinson, J.	2	2	0
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Howse, F. T. L.	2	2	0	Pashen, J. H.	2	2	0
Huffell, A. C.	2	2	0	Peard, J. C. M.	2	2	0
Hughes, E. W.	2	2	0	Pearson, B. J.	2	2	0
Hughes, G.	2	2	0	Pegler, F. R.	2	2	0
Hughes, L.	2	2	0	Pennington, E.	2	2	0
Hughes, W. E.	2	2	0	Peters, H. T.	2	2	0
Hunter, J. D.	2	2	0	Peters, L.	2	2	0
Hutson, A.	2	8	0	Pickup, J.	2	2	0
Inglis, R.	2	2	0	Pierce, P. C.	2	2	0
Jackson, W.	2	2	0	Platt, F. W.	2	2	0
Jarvis, L. J. L.	2	2	0	Powell, H. W. J.	2	2	0
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Jones, J. F.	2	2	0	Randall, A. St. G.	2	2	0
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Kent, G. M.	2	2	0	Rhodes, B.	2	2	0
King, H. W.	2	2	0	Roberts, J. H.	2	2	0
King, N. W.	2	2	0	Roberts, J. M.	2	2	0
Knowles, T. E. B.	2	12	6	Roderick, W. D.	2	2	0
Kuphal, F. W.	2	2	0	Rogers, A. C.	2	2	0
Lamberth, F.	3	3	0	Rogers, M. S.	2	2	0
Lamond, J.	2	2	0	Rowell, C. W.	2	2	0
Law, W. H.	2	2	0	Runtz, E. M.	2	2	0
Lawes, E.	3	3	0	Russell, E. W.	2	2	0
Leach, W. A.	2	2	0	Salmond, S.	2	2	0
Legg, K. B.	2	2	0	Sanders, D. C. W.	2	2	0
Ling, R. B.	2	2	0	Saunders, F.	2	2	0
Logan, M. L.	2	2	0	Savill, E. L.	2	2	0
Longbottom, H.	2	2	0	Sharpe, H. E.	2	2	0
Loudoun, E. G.	2	2	0	Sheldon, F. C.	2	2	0
Lowe, G. H. A.	2	2	0	Sherwin, J. A.	2	2	0
Luton, A. G.	2	2	0	Sibbald, W. L.	2	2	0
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Summersell, J. G. ...	2	2	0	Wells, L. S. D. ...	2	2	0
Tandy, A. H. ...	2	2	0	Wheeler, A. C. ...	2	2	0
Thatcher, I. J. ...	2	2	0	Whiteley, C. C. O. ...	2	2	0
Thomas, T. D. ...	2	2	0	Whorwell, H. E. ...	2	2	0
Titchmarsh, S. R. ...	2	2	0	Williams, R. D. ...	2	2	0
Townsend Green, S. L. ...	2	2	0	Williams, M. H. ...	2	2	0
Turvill, O. F. ...	2	2	0	Williams, T. V. ...	2	2	0
Usher, W. A. ...	3	3	0	Wilson, B. ...	2	2	0
Wade, W. B. ...	2	2	0	Wood, H. G. ...	2	2	0
Wales, H. T. ...	2	2	0	Young, D. W. ...	2	2	0
Walker, G. B. ...	2	2	0	Young, E. A. ...	2	2	0
Walton, A. A. ...	2	2	0	Young, S. M. ...	2	2	0

The Surveyors' Institution

(INCORPORATED BY ROYAL CHARTER),

12, GREAT GEORGE STREET,

WESTMINSTER, S.W.1.

PATRON—HIS MAJESTY KING GEORGE V.

OFFICERS, 1921—22.

COUNCIL.

President.

JOSEPH HENRY SABIN (London)

Vice-Presidents.

JOHN MCCLARE CLARK (Northumberland)
JAMES INGLIS DAVIDSON (Edinburgh)

SIR EDWIN SAVILL, O.B.E. (London)
JOHN DAVID WALLIS (Lancashire)

Members of Council.

EDMUND WALTER RUSHWORTH (London)
DENDY WATNEY (London)
GEORGE CORDEROY (London)
ERNEST ALFRED RAWLENCE (Wiltshire)
HERBERT MANSFIELD COBB, C.B.E. (Kent)
EDWARD SAMUEL COX (Yorkshire)
BERNARD MARR JOHNSON (London)
ERNEST HOLTHAM LEEDER (Glamorgan)
HENRY HARTLEY (Lancashire)
CHARLES HERBERT BEDELLS (London)

CHARLES BROWNING FISHER, C.B.E.
(Leicestershire)
HARRY FRANKS (Ireland)
FREDERICK HENRY APPLETON HARD-
CASTLE (London)
GEORGE COBLEY SMYTH-RICHARDS,
O.B.E. (Devon)
GEORGE TURVILLE BROWN (London)
JOHN EVANS BIDWELL (Cambs.)
WALTER LAWRENCE (London)
ARTHUR GEORGE CROSS (London)

Professional Associates of Council.

STANLEY HICKS (London)

JOHN MAUGHAN (Yorkshire)

Associates of Council.

GEORGE MALLOWS FREEMAN, K.C.
RICHARD FUGE GRANTHAM.

Past-Presidents (*Ex-officio Members of Council*)

DANIEL WATNEY (London)
ARTHUR VERNON (Bucks)
CHARLES BIDWELL (Cambridgeshire)
HOWARD MARTIN (London)
SIR ALEXANDER ROSE STENNING (London)
LESLIE ROBERT VIGERS (London)
W. EDGAR HORNE, M.P. (London)
THE HON. EDWARD GERALD STRUTT
C.H. (London and Essex)

JOHN HENRY HANSON (Yorkshire)
RT. HON. GEORGE FRANCIS STEWART
(Dublin)
ARTHUR LYON RYDE (London)
SIR JOHN HUBERT OAKLEY (London)
ANDREW YOUNG (London)
JOHN WILLMOT (Warwickshire)

Honorary Secretary.

A. NORMAN GARRARD.

Secretary.

A. GODDARD, C.B.E.

List of Standing Committees.

BUILDING.
COUNCIL SELECTION.
COUNTY DISTRICTS AND COUNTRY
MEETINGS.
DINNER.
EDUCATION.
ELECTIONS.
FINANCE.

FORESTRY.
LIBRARY AND SESSIONAL PAPERS.
MINING.
PARLIAMENTARY BILLS AND GENERAL
PURPOSES.
PROFESSIONAL PRACTICE.
QUANTITY SURVEYORS.

Past Presidents.

1868 *John Clutton*
1870 *Richard Hall*
1872 *Edward Norton Clifton*
1874 *Thomas Huskinson*
1876 *Edmund James Smith*
1878 *William Sturge*
1880 *Edward Ryde*
1883 *Thomas Smith-Woolley*
1885 *Edward P'Anson*
1886 *William James Beadel, M.P.*
1888 *Elias Pitts Squarey*
1890 *Robert Collier Driver*
1892 *Charles John Shoppee*
1894 *Thomas Chatfeild Clarke*
1895 DANIEL WATNEY
1897 *Christopher Oakley*
1898 *Robert Vigers*
1899 *Thomas Miller Rickman*
1900 *John Shaw*
1901 *Sir John F. L. Rolleston*
1902 ARTHUR VERNON

1903 *Albert Buck*
1904 *Herbert Thomas Steward*
1905 CHARLES BIDWELL
1906 *George Langridge*
1907 *Thomas Taylor Wainwright*
1908 HOWARD MARTIN
1909 SIR ALEXANDER ROSE STENNING
1910 LESLIE ROBERT VIGERS
1911 W. EDGAR HORNE, M.P.
1912 HON. EDWARD GERALD STRUTT,
C.H.
1913 *W. Edward Woolley*
1914 *Howard Chatfeild Clarke*
1915 JOHN HENRY HANSON.
1916 RT. HON. GEORGE FRANCIS
STEWART
1917 ARTHUR LYON RYDE
1918 SIR JOHN HUBERT OAKLEY
1919 ANDREW YOUNG.
1920 JOHN WILLMOT

(The names of those deceased are printed in italics).

Examiners.

THOMAS BINNIE
ARTHUR BODY
E. WITTON BOOTH, M.B.E.
G. L. BRIGHTON
A. B. BROWN
G. TURVILLE BROWN
J. W. WILLIS BUND
J. BURY
H. W. CARLTON
C. CHART
W. A. CHEEKE
ROBERT COBB
H. COURTHOPE-MUNROE,
K.C.
J. L. CROUCH
DONALD CURRIE
W. R. DAVIDGE
DONALD DINWIDDY
J. E. DROWER
M. C. DUCHESNE
JAMES EDGAR
W. H. EVE
M. FITZGERALD
WILLIAM FRASER
GORDON T. FREW

H. FREYBERG
A. E. GAYER
JOHN GILCHRIST
P. F. GLEED
J. GRIMWOOD
C. A. HANSON
F. H. A. HARDCASTLE
T. W. A. HAYWARD
EUSTACE HILLS, K.C.
F. HUDLESTON
JOHN HUME
FRANK W. HUNT
PROFESSOR JACKSON
E. M. KONSTAM
CUTHBERT LAKE
PROF. LILLY
F. J. LLOYD
JOHN LUKE
W. MCCracken
R. B. MANN
JAMES MATHER
P. T. MAW
R. E. MIDDLETON
H. P. MONCKTON
E. C. P. MONSON

E. J. NALDRETT
T. A. O'DONAHUE
A. PAULL
E. C. PINKS
H. A. PRITCHARD
W. G. S. ROLLESTON
ARTHUR LYON RYDE
E. H. N. RYDE
E. J. SILCOCK
S. L. THACKER
GILBERT THOMSON
H. T. WALES
E. WALFORD
ALEXANDER WALKER
W. SELVES WALKER
A. T. WALMSLEY
H. J. WATSON
JOHN WATSON, M.B.E.
M. L. WHELDON
EDWARD WILLIS
J. WILSON
LESLIE S. WOOD
H. G. B. WYATT

The Surveyors' Institution

(INCORPORATED BY ROYAL CHARTER)

Is established—

1. To secure the advancement and facilitate the acquisition of that knowledge which constitutes the profession of a Surveyor, viz.—the art of determining the value of all descriptions of landed, mineral and house property, and of the various interests therein; the practice of managing and developing estates; and the science of admeasuring and delineating the physical features of the earth, and of measuring and estimating artificers' work.
2. To promote the general interests of the profession, and to maintain and extend its usefulness for the public advantage.

THE INSTITUTION was established in 1868, was incorporated by Royal Charter in 1881, and has a total membership of nearly 5,700.

THE INSTITUTION consists of four classes, viz.—FELLOWS, PROFESSIONAL ASSOCIATES, ASSOCIATES, and HONORARY MEMBERS, with classes of PROBATIONERS and STUDENTS attached.

A Fellow must be more than thirty years of age, and have qualified for that position by having acquired a practical knowledge of surveying in one or other of its branches as above defined, and have held for at least five years a responsible position in the profession; and must have passed the Examinations called for by the Rules of Examination, or some other Examination in the United Kingdom or the Colonies which the Council may declare to be equivalent thereto.* A Fellow has the right, conferred by the Charter,

* *The Council possess only a very limited dispensing power as regards the Examinations.*

to use the letters F.S.I. after his name. A Fellow has also the right, under By-Laws allowed by H.M. Privy Council, to describe himself as "Chartered Surveyor."

A PROFESSIONAL ASSOCIATE must be more than twenty-one years of age, a Surveyor by profession, in practice on his own account or employed as an Assistant in a Surveyor's Office, and qualified for the class by having passed the Examinations. A Professional Associate has the right, conferred by the Charter, to use the letters P.A.S.I. after his name. A Professional Associate has also the right, under By-Laws allowed by H.M. Privy Council, to describe himself as "Chartered Surveyor," provided that the fact that he is a Professional Associate is disclosed.

AN ASSOCIATE must be more than twenty-one years of age, not a Surveyor by profession, but his pursuits must be such as to qualify him to unite with Surveyors in the advancement of professional knowledge.

AN HONORARY MEMBER must be a person who, either by reason of his position or experience, or his eminence in science, may be enabled to render assistance in promoting the objects of the Institution, but who is not engaged in practice as a Surveyor in Great Britain or Ireland. He has the privilege of being present and taking part at all Ordinary General Meetings, and of access to the Library, but no right of voting, discussing, or otherwise interfering in the affairs of the Institution; nor is he called on to contribute to its funds.

PROBATIONERS must be persons whose period of Studentship has elapsed or persons who have passed the Intermediate Examination, or such other examination, if any, as may be accepted by the Council in lieu thereof; and such persons may continue as Probationers until the end of the calendar year during which they shall have been for five years enrolled in that class or until the end of the third calendar year after that in which they had passed the Intermediate Examination, whichever period first terminates.

A [Probationer is entitled to the use of the Library and Loan Library, to attend the Meetings, and to receive the Journal.

STUDENTS (who must not be under eighteen years of age) qualify as such by passing the Preliminary Examination.

Candidates for Studentship who can produce a Certificate of having passed one of the Examinations mentioned in the Rules, are exempted from this Examination, and may be admitted by the Council on the recommendation (according to a form) of a Member of the Institution. Students are expected to enter for the Professional Examinations under the conditions laid down in the Rules of Examination.

A Student is entitled to the use of the Library and Loan Library, to attend the Meetings, and to receive the Journal. For further privileges as to fees and percentage of marks, see paragraphs 10, 11, 12 and 14 of the Rules of Examination.

Scholarships open to Students and tenable for three years have been instituted at Oxford, Cambridge, and other Universities, of the value of £80 and £50 per annum. Particulars may be obtained from the Secretary of the Institution.

Any person desirous of being admitted into the Institution (excepting to the classes of Probationers and Students) must be proposed and recommended according to a form, in which the full name and qualifications of the candidate must be distinctly specified. This form must be subscribed by him, and signed by at least six Fellows, or four Fellows and two Associates, certifying a practical knowledge of the candidate; or, by four Members of the Council, of whom the President shall be one, after careful enquiry into the antecedents of the applicant.

The proposal so made, being delivered to the Secretary, will be submitted to the Council, who, on approving the qualifications, will nominate the candidate for election by ballot.

The following are the rates of contribution to the funds :—

	Annual Subscription.				Admission Fee.		
	£	s.	d.		£	s.	d.
<i>Student</i>	1	1	0	.	—		
<i>Probationer</i>	1	1	0	.	—		
<i>Associate</i>	2	2	0	.	3	3	0
<i>Professional Associate</i>	2	2	0	.	4	4	0
<i>Colonial Fellow</i>	2	2	0	.	5	5	0
<i>Fellow</i>	3	3	0	.	7	7	0*

* Unless he was elected a Professional Associate before the first day of January, 1921, in which case the entrance fee as a Fellow shall be £5 5s.

No person can become a Member (other than an Honorary Member) of the Institution, unless and until he pays as his first Subscription to the Institution, in the case of becoming a Fellow of the Institution, the sum of Ten Guineas, in the case of becoming a Colonial Fellow of the Institution, the sum of Seven Guineas, in the case of becoming a Professional Associate of the Institution, the sum of Six Guineas, and in the case of becoming an Associate of the Institution, the sum of Five Guineas.

All Fellows, Professional Associates, and Associates, are required, within twelve months after their election, to deliver to the Council an original Paper on some subject connected with the profession, or to make a donation to the Library or Collection.

The affairs of the Institution are under the management of a Council, which is elected annually, and in future will consist of a President and four Vice-Presidents, together with not more than thirty-five or less than twenty-five Fellows, four Professional Associates and two Associates.

The Session of the Institution commences annually on the second Monday in November, and continues to the end of May. The Ordinary General Meetings are at present held once a month during the Session. At these Meetings original communications are read on professional subjects, and their merits fully and freely discussed. Every Member has the privilege of introducing visitors to these Meetings. Members are entitled to a copy of any printed publication issued by the Institution after their admission.

THE SURVEYORS' INSTITUTION

(INCORPORATED BY ROYAL CHARTER),

12, GREAT GEORGE STREET, WESTMINSTER, S.W.1.

LIST OF MEMBERS, JANUARY 1ST, 1922

Honorary Members.

Date of Election and of Transfer.	HONORARY MEMBERS.	Address.
Nov. 1904	ARMSTRONG, THE RT. HON. LORD	Jesmond Dene, Newcastle-on-Tyne.
A. Dec. 1880	BANKES, THE RIGHT HON. LORD	
H.M. Nov. 1910	JUSTICE ELDON	45, Eaton Square, S.W.
Jan. 1895	BEDFORD, HIS GRACE THE DUKE OF, K.G.	15, Belgrave Square, S.W.
July 1920	BLEDISLOE, THE RT. HON. LORD, K.B.E.	Oxford and Cambridge Club, S.W.
April, 1910	CHALMERS, THE RIGHT HON. LORD, G.C.B.	3, Cornwall Mansions, Kensington Court, W.8.
Dec. 1889	CHAPLIN, THE RT. HON. LORD VISCOUNT	6, Charles Street, Berkeley Square, W.
Nov. 1918	CLOSE, COLONEL SIR CHARLES, K.B.E., C.M.G.	Ordnance Survey Office, Southampton.
Jan. 1887	COBHAM, THE RIGHT HON. LORD VISCOUNT	Hagley Hall, Stourbridge.
Nov. 1908	DEVONSHIRE, HIS GRACE THE DUKE OF, K.G.	Devonshire House, Piccadilly, W.
Jan. 1909	DIBDIN, SIR LEWIS T., K.C., D.C.L.	Nobles, Dormansland, East Grinstead.
June 1917	DOWNING, STANFORD EDWIN ..	Ecclesiastical Commission, 1, Millbank, Westminster, S.W.
Nov. 1906	ELLIOTT, SIR THOMAS HENRY, BART., K.C.B.	National Club, Queen's Gate, S.W.1.
June 1917	ERNLE, THE RIGHT HON. LORD, M.V.O.	3, Cheyne Walk, Chelsea, S.W.1.
May 1921	FIORI, ING FELICI	Ispettore Superiore presso la Direzione Generale della Ferrovie dello Stato, Roma.
May 1921	GREINER, PAUL	131, Champ Elysées, Paris VIIIe, France.
Mar. 1882	HAMILTON, HIS HONOUR JUDGE	
H.M. Nov. 1905	HENRY BEST HANS	5, Cranley Gardens, S.W.7.
Nov. 1901	HOWE, THE RIGHT HON. THE EARL, G.C.V.O.	Curzon House, Curzon Street, W.
Nov. 1915	JERSEY, THE RIGHT HON. THE EARL OF	Middleton Park, Bicester, Oxon.

Date of Election and Transfer.	HONORARY MEMBERS.	Address.
Jan. 1911	JOHNSTON, COLONEL SIR DUNCAN, R.E., K.C.M.G., C.B., C.B.E.	8, Lansdowne Crescent, Edinburgh.
Mar. 1893	LINCOLNSHIRE, THE MOST HON. THE MARQUESS OF, K.G., G.C.M.G.	53, Prince's Gate, S.W.
Nov. 1915	MILNER, THE RIGHT HON. LORD VISCOUNT, G.C.B., G.C.M.G.	47, Duke Street, St. James', S.W., and Sturry Court, near Canterbury.
A. Jan. 1885 C.F. Jan. 1914	PARMOOR OF FRIETH, THE RIGHT HON. LORD, P.C., K.C.V.O., K.C. . .	29, Wilton Crescent, S.W.1.
Nov. 1916	REDMAYNE, SIR RICHARD, K.C.B. . .	Claremont Lodge, Cobham, Surrey.
Feb. 1919	ROSS, THE RIGHT HON. SIR JOHN, BART.	Oatlands, Stillorgan, Co. Dublin.
Nov. 1917	SALTER, ARTHUR CLAVELL, THE HON. MR. JUSTICE	2, Mitre Court Buildings, Temple, E.C.
May 1921	SCHWEITZER, CHARLES HENRI . .	38, Boulevard des Invalides, Paris VIII ^e , France.
Nov. 1915	SELBORNE, THE RIGHT HON. THE EARL OF, K.G., G.C.M.G.	49, Mount Street, W.
A. May 1886 H.M. Nov. 1905	WHEELER, HIS HONOUR JUDGE THOMAS WHITTENBURY, K.C. . .	32, Warwick Gardens, Kensington, W.
May 1921	YAMAJI, SHIZUO	Reparations Commissions, 131, Avenue Champs Elysées, Paris.

Total number of Honorary Members. 29, carried to Summary, p. 210.

Fellows.

The names of those Fellows who have qualified for the Class by Examination are distinguished thus*
The names of those Fellows who have gained Prizes at the Institution Examinations are distinguished thus

p. o.	Date of Election and of Transfer.	FELLOWS.	Address.
34 50	Jan. 1884 A. Oct. 1904 F. Dec. 1919	ABBOTT, ROBERT THOMAS G. .. *ABBOTT, ALEXANDER HENRY ..	Whitley House, Malton, Yorkshire. 351, Wimborne Road, Winton, Bourne- mouth, Hants.
49	A. Nov. 1891 F. Jan. 1895	*ABRAMS, BENJAMIN PERCY ..	87, High Road, Kilburn, N.W.6 (Middlesex).
98	Oct. 1913	*ABRAMS, JOHN EDWARD ..	Kirkstall, Kingsheath, Birmingham.
57	Nov. 1918	*ACTON, WILLIAM BIRCHALL ..	Superintendent of Inland Revenue and Conservancy, Conservancy Office, Kisumu, British E. Africa.
71	Oct. 1897	ADAM, THOMAS	Cecil House, Petersham, Surrey.
05	Feb. 1884	ADAMS, HENRY, M.I.C.E., M.I.M.E.	60, Queen Victoria Street, E.C.
21	Jan. 1922	ADAMS, HENRY ROBERT .. .	"Tilford," Heathurst Road, Sander- stead, Surrey.
99	Oct. 1913	*ADAMS, THOMAS	Commission of Conservation, Ottawa, Canada.
92	A. Oct. 1897 F. Nov. 1901	*ADDIE, JOHN HEATHCOTE, COL., C.B.E.	Patshull Estate Office, near Wolver- hampton, and Raven Chambers, Shrewsbury.
17	A. Oct. 1913 F. July 1918	*ADDIE, ROBERT	138A, Crown Street, Aberdeen.
72	A. Oct. 1896 F. Oct. 1900	*ADDISCOTT, HENRY HUGH ..	32, Craven Street, Charing Cross, W.C.
39	A. Jan. 1888 F. Jan. 1891	*†ADKIN, BENAIAH WHITLEY ..	35, Lincoln's Inn Fields, W.C.2.
84	A. Dec. 1881 F. Nov. 1886	ADKIN, CHARLES DUNCAN ..	Wantage and Abingdon, Berks.
98	A. Oct. 1912 F. Dec. 1921	*AITCHISON, JAMES GRAY ..	7, York Terrace, Sandyhills, Shettle- ston, Glasgow.
43	Sep. 1895	ALEXANDER, HENRY GEORGE SAMUEL, COLONEL	Carrickmore House, Carrickmore, Co. Tyrone.
27	Feb. 1908	ALLAN, ROBERT	Halfway House, Whitburn, N.B.
81	Oct. 1919	ALLEN, GEORGE	Hillsboro', Co. Down.
31	A. Oct. 1915 F. Feb. 1919	*†ALLISON, HERBERT WILLIAM ..	6, Albion Street, Hull.
05	Oct. 1917	ALLOTT, JAMES RAYNEY LEACH	Avenue Villa, Kidsgrove, Staffs.
39	A. Oct. 1898 F. May 1917	*ALLPRESS, HORACE EDWARD ..	35, Perrymead Street, Eel Brook Common, S.W.
38	A. Oct. 1898 F. Apr. 1902	*ALLSEBROOK, ARTHUR, B.Sc. (Edin.)	Link Elm, Malvern Link, Worcester- shire.

† Special Sanitary Science Diploma.

‡ Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4127	A. Oct. 1903 F. Oct. 1913	*ALLSOP, BENJAMIN GEORGE KIDSTON	141, Park Road, Regent's Park, N.W.
7020	A. Oct. 1913 F. Dec. 1918	*ALMOND, WILLIAM JOHN	6, Albion Street, Hull.
7660	Nov. 1916	ALTON, HENRY BINDON	84, O'Connell Street, Limerick.
2503	A. Nov. 1892 F. Nov. 1893	*SAMOS, FRANK	3, The Parade, Canterbury, Kent.
7564	Oct. 1915	ANDERSON, JOHN	20, York Place, Edinburgh.
3172	Oct. 1897	ANDERSON, ROBERT	Property Agent, 95, Bath Street, Glasgow.
597	A. Jan. 1881 F. Mar. 1884	ANDERSON, ROBERT	Knowsley, Prescott, Lancs.
1635	Dec. 1889	ANDREW, THOMAS HAWKES ..	"Barnburgh," Pennsylvania Hill, Exeter.
3342	A. Oct. 1898 F. Feb. 1900	*ANGEL, FRANCIS HOUGHTON ..	7, Wolseley Gardens, Gunnersbury, W. (Middlesex).
5589	Oct. 1909	ANTHONY, ERNEST JOHN	95, Lower Leeson Street, Dublin.
3193	A. Oct. 1897 F. Dec. 1920	*APPLEBY, FRANK SEFTON	44, Ash Grove, Wavertree, Liverpool.
3953	A. Oct. 1902 F. Sep. 1903	*APPLEBY, JOHN HENRY JAMES ..	8, High Street, Fareham, Hants.
4886	Oct. 1906	*APPS, BENJAMIN CHARLES	1, Bury Street, Guildford.
2649	A. Oct. 1894 F. Mar. 1896	*†SARIS, JOHN WHITTON, M.A. (Oxon)	Lois Weedon, Denbigh Gardens, Richmond, Surrey.
3782	A. Oct. 1901 F. June 1912	*ARMSTRONG, ALBERT LESLIE ..	14, Swaledale Road, Sheffield.
7546	Feb. 1915	ARMSTRONG, HENRY	Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
5590	Oct. 1909	ARMSTRONG, REGINALD GRAVES	Estate Office, Shelton Abbey, Arklow Co. Wicklow.
791	Apr. 1882	ARMSTRONG, THOMAS JOHN	14, Hawthorn Ter., Newcastle-on-Tyne.
7565	Oct. 1915	*ARNALL, GEORGE	153, St. John's Hill, S.W.
3042	A. June 1896 F. Nov. 1900	*ARNO, SAMUEL	67, Dunsmure Road, Stamford Hill, N.
5101	A. Oct. 1907 F. June 1919	*ARNOLD, WILLIAM RICHARD ..	Victoria Chambers, 7 & 8, Oxford Street, Swansea.
1280	A. Dec. 1885 F. Jan. 1896	*SARNOTT, JOHN	Church Street, Woodbridge, Suffolk.
4355	A. Oct. 1904 F. Apr. 1919	*ASHBRIDGE, PRENTICE MOORE ..	7, Leadenhall Street, E.C.3.
7027	A. Oct. 1913 F. Mar. 1920	*ASHENDEN, HAROLD CAMPBELL	Ventnor House, London Road, Canterbury.
3075	A. Oct. 1896 F. Oct. 1898	*ASHENDEN, LEONARD THOMAS ..	Westgate, Canterbury, Kent.
7644	Nov. 1916	ASHWORTH, JOHN	77, King Street, Manchester.
4898	A. Oct. 1906 F. Dec. 1911	*ASKWITH, ARTHUR	29, Nevilledale, Durham.
5102	A. Oct. 1907 F. Dec. 1919	*ASPELL, FRED HEWLINGS	32, Halford Street, Leicester.
1750	A. Feb. 1890 F. July 1901	*†ASSITER, HARRY G.	The Weald House, Harrow Weald, Middlesex.
5616	A. Oct. 1909 F. Apr. 1916	*ATAK, GEORGE ALBERT SEVERNE	8, Hazel Bank, Edgeware Road, Blackburn, Lancs.
3785	A. Oct. 1901 F. Oct. 1907	*AUSTIN, FRANK HOLMAN	9, Arcade Street, Ipswich.

† Special Forestry Diploma.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
1408	A. Dec. 1887	*AUSTIN, RICHARD	Bishop's Waltham, Hants.
	F. Oct. 1891		
1878	A. Nov. 1890	*AYLEN, CECIL HUGH	20, Bucklersbury, E.C.4.
	F. May 1903		
3722	Jan. 1922	AYLOTT, JOSEPH	Heavywaters, Chadwell Heath, Essex.
1918	Jan. 1891	AYNSLEY, ROBERT JOHN	Fencer Hill, Gosforth, Newcastle-on-Tyne
7987	Oct. 1919	BABBS, ARTHUR THOMAS	The Rhodes Building, Cape Town.
3723	Jan. 1922	BABBS, ERNEST RICHARD	10, Old Burlington Street, W.1.
4598	Oct. 1905	BACON, FREDERICK JOSEPH, C.B.E.	114, Park Hill, Clapham, S.W.
5194	A. Oct. 1897	*BADDELEY, BERNARD BERESFORD	9 and 10, Fenchurch Street, E.C.4.
	F. Nov. 1901		
3724	Jan. 1922	BAGNALL, J. E.	Quenn's College, Paradise Street, Birmingham.
3097	Oct. 1920	BAILEY, CECIL HENRY	13, Bennett's Hill, Birmingham.
3725	Jan. 1922	BAILEY, ERNEST BATHO	37, Moorfields, Liverpool.
4566	A. Oct. 1893	*BAILEY, LOUIS HEWITT	4, Eaton Road, Ilkley, Yorks.
	F. Feb. 1896		
3786	A. Oct. 1901	*BAILEY, PERCIVAL HENRY	
	F. Sep. 1906	ASHBY	"Glenthorn," Wolstanton, Staffs.
7645	Nov. 1916	BAILEY, THOMAS HENRY	13, Bennett's Hill, Birmingham.
7747	Sep. 1895	BAILLIE, JOHN ROBERT, COL. ..	Abercorn Estate Office, Strabane, Co. Tyrone.
1153	Nov. 1891	BAINES, MATTHEW TALBOT, M.A. (Canlab.)	Westbrook Hall, Horsham, Sussex.
120	Oct. 1903	BAINES-HEWITT, FREDERIC THOMAS, MAJOR	Office of C.R.E., North Palestine, Haifa, Palestine.
599	Oct. 1905	BAKER, ERNEST JOHN	Works Dept., H M. Dockyard, Devonport.
620	A. Oct. 1909	*BAKER, HENRY GEORGE, LIC.R.I.B.A.	21, Grosvenor Road, Aldershot, Hants.
	F. Apr. 1921		
726	Jan. 1922	BAKER, S. C.	Lonsdale Chambers, 27, Chancery Lane, W.C.2
998	A. Oct. 1919	*BALDEN, WILLIAM REGINALD ..	Bywell, Leeds Road, Dewsbury, Yorks.
	F. Dec. 1919		
727	Jan. 1922	BALL, ADAM JOHN LOUGHBOROUGH	6, King's Bench Walk, Temple, E.C.
728	Jan. 1922	BALL, ADAM KIRK	7, King's Bench Walk, Temple, E.C.
729	Jan. 1922	BALL, CHARLES EDWARD	7, King's Bench Walk, Temple, E.C.
730	Jan. 1922	BALL, CHARLES WILLIAM	Whittington Chambers, King's Road, Southsea.
361	Nov. 1916	BALL, GEORGE J., MAJOR	Fonthill Abbey, Rathfarnham, Co. Dublin.
399	A. Oct. 1906	*BALL, JAMES ROBERT	L. and N.W. Rly. Estate Department, Euston Station, N.W.
	F. June 1912		
490	A. Jan. 1890	*BALL, WILLIAM ALFRED	Old Bond Street House, 6-8, Old Bond Street, W.
	F. Dec. 1891		

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
6512	A. Oct. 1912 F. Apr. 1921	*BALLANTYNE, JAMES ROGER-SON	2, Montgomerie Terrace, Mount Florida, Glasgow.
3954	A. Oct. 1902 F. Oct. 1909	*BAMFORD, WALTER HERBERT ..	23, Compayne Gardens, Hampstead N.W.
1879	A. Nov. 1890 F. Nov. 1893	*BANCROFT, FREDERICK HERBERT	78, King Street, Manchester.
3932	A. Oct. 1895 F. Feb. 1901	*BANKS, FREDERICK STUART ANGUS	Lloyd's Bank Chambers, Leicester.
5093	Oct. 1907	BANKS, JOHN WILLIAM .. .	H.M. Office of Works, King Charles Street, S.W.
4623	A. Oct. 1905 F. Nov. 1912	*BANNISTER, MONTAGU DOUGLAS	Market Place, Hayward's Heath, Sussex.
8731	Jan. 1922	BARBER, HARRY PERCY .. .	22, Buckingham Street, Strand, W.C.2.
8732	Jan. 1922	BARE, ROBERT GEORGE .. .	47, Rusholme Road, Putney, S.W.
8733	Jan. 1922	BARE, THOMAS EDWIN .. .	115, High Holborn, W.C.2.
4123	Oct. 1903	*BARKER, CHARLES .. .	Estate Office, Bourneville, Warwickshire.
2504	A. Nov. 1892 F. Nov. 1898	*BARKER, GEOFFREY LIONEL ..	5, Garston Road, Abbotsbury, Newton Abbot.
1985	Mar. 1891	BARKER, HORACE RICHARD ..	13, Lowndes Street, Belgravia, S.W.
1661	A. Dec. 1889 F. June 1891	*BARNES, GEORGE FREDERICK ..	New Square, Chesterfield, Derbyshire.
6129	Oct. 1911	*BARNES, HARRY, M.P. .. .	House of Commons, S.W.1., and 1, Summerhill Grove, Newcastle-on-Tyne.
3845	A. Oct. 1898 F. Oct. 1899	*BARNES, STEPHEN ALLEN, M.B.E.	51, Brooke Road, Stoke Newington N.16.
5622	A. Oct. 1909 F. June 1911	*\$BARR, JAMES	221, West George Street, Glasgow.
8129	A. Oct. 1920 F. Apr. 1921	*BARR, ROBERT IRWIN .. .	221, West George Street, Glasgow.
4881	Oct. 1906	BARRETT, JAMES	Air Ministry, Kingsway, W.C.
5395	A. Oct. 1908 F. June 1919	*BARRETT, THOMAS NORMAN ..	28, Brazennose Street, Manchester.
2749	Sep. 1895	BARRINGTON, JOHN BEATTY ..	Barrington Street, Limerick.
8395	Oct. 1921	*BARRY, GEORGE SMITH .. .	District Surveyor, 18, Wellington Square, Ayr.
4361	A. Oct. 1904 F. July 1920	*BARTHOLOMEW, CHARLES FREDERICK	55, Elmdene Road, Plumstead, S.E.
8378	Oct. 1921	BARTON, ARTHUR PEARL .. .	6, Ely Place, Dublin.
2058	May 1891	BARTON, HARRY HOWELL .. .	69, Sandgate Road, Folkestone, Kent.
2750	Sep. 1895	BARTON, HENRY DUPRE MALKIN	The Bush, Antrim, Ireland.
4362	A. Oct. 1904 F. Dec. 1912	*BARTON, SYDNEY FREDERICK ..	22, Finsbury Square, E.C.2.
3642	A. Oct. 1900 F. Nov. 1901	*BASLEY, HAROLD PULLAM .. .	163, North Street, Brighton.
5480	Oct. 1912	*BATE, ERNEST MONTAGU .. .	The Rowans, Fourth Avenue, Frinton-on-Sea, Essex.
1986	Mar. 1891	BATEY, HENRY SIMPSON .. .	51, South King Street, Manchester.

Ship No.	Date of Election and of Transfer.	FELLOWS.	Address.
918	Jan. 1891	BATHER, JOHN T.	9, The Square, Shrewsbury.
161	Nov. 1891	BATSTONE, ROWLAND ROBERT. .	Godliman House, Godliman Street E.C.4.
739	A. Oct. 1901	*BATTERBURY, NORMAN BONIFACE	Ministry of Health, Whitehall, S.W.1.
941	A. Oct. 1913 F. Oct. 1920	*BATTING, MERLIN FRANCIS JOSEPH	Meriden, Hamilton Road, Reading, Berks.
346	A. Oct. 1898	*BAVERSTOCK, HAROLD BRIDGE. .	Godalming, Surrey.
364	A. Oct. 1904 F. Jan. 1908	*BAXENDALE, FREDERICK GIESEN	Corbally, Arbrook Lane, Esher, Surrey.
481	Feb. 1892	BAXTER, GEORGE	1, Frederick's Place, E.C.
329	Feb. 1908	BAXTER, JOHN	243, St. Vincent Street, Glasgow.
1643	A. Oct. 1900 F. Oct. 1911	BAYLIS, ALBERT EDWARD . .	H.M. Office of Works, King Charles Street, S.W.
1856	A. Feb. 1906 F. July 1916	*BAYNHAM, EDMUND CHRISTOPHER	7, Little College Street, Westminster, S.W.
881	A. Nov. 1890	*BEADEL, MAURICE FREDERICK. .	97, Gresham Street, E.C.
162	F. Feb. 1898 A. Oct. 1911 F. Mch. 1920	*BEAL, JOSEPH KYLE	c/o District Valuer, National Provincial Bank Chambers, James Street, Liverpool.
1613	Nov. 1891	BEALE, ROBERT J., A.R.I.B.A. . .	17, Old Queen Street, Westminster, S.W.
1753	Sep. 1895	BEAMISH, WILLIAM HENRY . .	60, South Mall, Cork.
1624	A. Oct. 1909 F. July 1921	*§BEARN, ARTHUR FREDERICK . .	Cedar Lawn, Wellingborough, Northamptonshire.
109	A. Feb. 1903 F. Jan. 1910	*BEASLEY, THOMAS CALVERT PLATT	Harston, Grantham, Lincolnshire.
821	Feb. 1910	BEATTIE, GEORGE LENNOX . .	5, Lauriston Gardens, Edinburgh.
873	A. Oct. 1910 F. Jan. 1917	*BEAUMONT, RAYMOND PILBEAM	9, North Street, Brighton.
1614	Nov. 1891	BECK, ARTHUR CLEMENT . . .	Sandringham, Norfolk.
457	Feb. 1888	BECK, EDWARD WILLIAM . . .	16, Bank Street, Norwich.
5591	Oct. 1909	BECKETT, W. FRANK	6, Clare Street, Dublin.
561	Jan. 1889	BECKWITH, HENRY LANGTON, COL.	Sandown Park, Wavertree, Liverpool.
153	A. Oct. 1903 F. June 1910	*BEDDALL, HERBERT BOWMAN, M.B.E., N.D.A.	9, Strangways Terrace, Truro.
959	A. May 1883 F. May 1887	*BEDELLS, CHARLES HERBERT (Member of Council) . . .	6, John Street, Bedford Row, W.C.
4134	A. Oct. 1903 F. Feb. 1919	*BEDFORD, CHARLES EDGAR . .	10, Wigmore Street, Cavendish Square, W.1.
1613	A. Oct. 1911 C.F. Oct. '15 F. Oct. 1919	BEDINGTON, GUY CYRIL, A.M.I.C.E.	P.W.D. Bagan Datsh, Lower Perak. F.M.S.
594	A. Feb. 1889 F. Dec. 1895	*BELCHER, EDWARD JOHN. . .	Wantage, Berks.
670	Nov. 1916	*BELFRAGE, JAMES HERBERT, A.R.I.B.A.	11, Adam Street, Adelphi, W.C.2.
790	A. Oct. 1901 F. Nov. 1908	*BELL, ALBERT HENRY. . . .	5, Salisbury Road, Wimbledon, S.W.19 (Surrey).

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2320	Oct. 1918	BELL, ANDREW WALKER	22, Ainslee Place, Edinburgh.
8734	Jan. 1922	BELL, HENRY BROWN	62, Woodhouse Lane, Leeds.
1662	A. Dec. 1889 F. Apr. 1894	*BELLINGHAM, ARCHIBALD TURNER	Seaford House, Belgrave Square, S.
7046	A. Oct. 1913 F. Oct. 1915	*BENN, PERCY ARTHUR	Surveyor's Office, Guildhall, Lichfield Staffs.
7778	A. Nov. 1918 F. Dec. 1920	*BENNETT, CHARLES RICHARD ..	Isle of Ely County Council, Count Hall, Marsh, Cambs.
5402	A. Oct. 1908 F. May 1917	*BENNETT, STEPHEN AUGUSTUS, A.M.I.C.E.	Monmouthshire County Council Office Newport, Mon.
5877	A. Oct. 1910 F. Dec. 1919	*BENNETT, SYDNEY	Messrs. Nightingale, Phillips & Pag Eagle Chambers, Kingston - on Thames, Surrey.
8735	Jan. 1922	BENNION, ARTHUR STRACHAN ..	96, Gower Street, W.C.1.
8736	Jan. 1922	BENNISON, ROWLAND EDWARD	22, Essex Street, Strand, W.C.2.
2933	A. Oct. 1895 F. June 1915	*BENTLEY, HAROLD EDWIN	43, Chancery Lane, W.C.
8737	Jan. 1922	BERNARD, CHARLES ALBERT ..	26, Orchard Street, Bristol.
3348	A. Oct. 1898 F. Sep. 1904	*BERRY, CHARLES WINDSOR ..	17, Essex Street, W.C.
3349	A. Oct. 1898 F. Nov. 1905	*BETENSON, FREDERIC ROGER ..	5, Great College Street, Westminste S.W.1.
3350	A. Oct. 1898	BETRIDGE, JOHN CHARLES	West View, Stratford Road, Shirle
4600	F. Oct. 1905	LEBON	near Birmingham.
5878	A. Oct. 1910 F. Apr. 1920	*BEVAN, ROLAND STANLEY ..	Ministry of Transport, Roads Dept 7, Whitehall Gardens, S.W.1.
3505	A. Nov. 1892 F. Oct. 1894	*BEVEN, SEPTIMUS	47, King Edward Road, E.9.
190	Mar. 1869	BIDWELL, CHAS., M.A. (<i>Cantab.</i>) (<i>Past-President</i>)	Ely, Cambridgeshire.
2625	A. Feb. 1894 F. Feb. 1896	*BIDWELL, JOHN EVANS, M.A. (<i>Cantab.</i>) (<i>Member of Council</i>)	11, Benet Street, Cambridge, and Fox Hill, Great Shelford, Cambridg
3197	A. Oct. 1897 F. May 1900	*BIDWELL, PHILLIP SHELFORD ..	St. Mary's Street, Ely, Cambridgeshir
7050	A. Oct. 1913 F. Oct. 1914	*BIGGS, WALTER WOODBRIDGE ..	56, Holborn Viaduct, W.C.
3112	A. Oct. 1907 F. Oct. 1914	*BIGWOOD, ERNEST GUY	158, Edmund Street, Birmingham.
6122	Oct. 1911	BIGWOOD, ERNEST J.	158, Edmund Street, Birmingham.
7982	Oct. 1919	BILLER, WILLIAM THOMAS ..	3, Airanmore Road, Herbert Par Dublin.
3327	Oct. 1908	BILLINGHAM, JOHN ALFRED LAWRENCE, MAJOR	R.E. Offices, York.
2167	Nov. 1891	BILSON, JOHN, F.R.I.B.A.	23, Parliament Street, Hull, Yorkshir
1919	Jan. 1891	BINGHAM, FREDERICK HENRY ..	5, Bolton Street, Piccadilly, W.
3321	Oct. 1898	BINNIE, THOMAS	207, Hope Street, Glasgow.
4136	A. Oct. 1903 F. Nov. 1912	*BINNS, HENRY WILLIAM	15, Soho Square, W.1.
2934	A. Oct. 1895 F. Oct. 1900	*BIRCH, FRANCIS JULIAN LAURENCE	Oakhill House, Oakhill, Bath.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1893 F. Apr. 1895	*BIRCH, RICHARD ELWYN, B.A. (<i>Cantab.</i>)	Brynasaph, St. Asaph, Flintshire.
A. Dec. 1886 F. Nov. 1889	*BIRCH, WALTER DE HOGHTON ..	Hoghton Estate Office, Walton-le-Dale, Preston, Lancashire.
Nov. 1888	BIRD, JAMES BINFIELD	Kingswood, Sandown, Isle of Wight.
May 1884	BIRD, WALTER	24, Wynnstay Gardens, Kensington, W.
A. Jan. 1887 F. Feb. 1889	BIRKETT, TOM, M.B.E.	Foxton House, Penrith, Cumberland.
Oct. 1911	*BISCOE, FRANCIS EDWIN	2, College Road, Harrow-on-the-Hill, Middlesex.
May 1890	BISHOP, CHARLES	99, Bath Road, Swindon, Wilts.
Sep. 1895	BLACKLEY, TRAVERS ROBERT ..	Drumbar, Cavan, Ireland.
Feb. 1899	BLAIR, ALEXANDER	9, Wemyss Place, Edinburgh.
Oct. 1914	BLAIR, THOMAS	Hoprig Mains, Gladsmuir, Haddingtonshire.
Mar. 1885	BLAKE, FREDERICK	46, Commercial Road, Portsmouth, Hants.
A. Oct. 1905 F. July 1920	*BLAKE, REGINALD LAPHORPE ..	46, Commercial Road, Portsmouth.
Feb. 1883	BLAKE, WILLIAM JOHN	45, High Street, Croydon, Surrey.
A. Oct. 1905 F. Oct. 1921	BLENCOWE, SIDNEY	Oficina del Ingeniero, Ferro Carril del Sud, Plaza Constitucion, Buenos Aires.
Nov. 1891	BLETSOE, HENRY HOPKINSON ..	Thrapston, Northamptonshire.
A. Oct. 1903 F. Dec. 1912	*BLISS, FRANCIS GEORGE	106, Cheapside, E.C.
Mar. 1891	BLIZARD, JOHN HENRY, A.M.I.C.E.	Lansdowne House, Castle Lane, Southampton.
A. Oct. 1906 F. Dec. 1919	*BLOIS, BASIL FREDERIC	194, Wymering Mansions, W.9.
Jan. 1922	BLOMFIELD, CHARLES EDWARD ..	40, Finsbury Square, E.C.
Oct. 1914	BLOOMER, JOSIAH	19, Priory Street, Dudley, Worcester-shire.
Feb. 1915	BLOSSE, HENRY LYNCH	Worcester Chambers, Swansea.
A. Oct. 1895 F. July 1905	*BLOUNT, EDWARD, LIEUT.-COL., C.B.E.	Howard de Walden Estate Office, 23, Queen Anne Street, W.
A. Oct. 1903 F. Dec. 1910	*BLUNT, FRANCIS EDWARD	Valuation Department, Inland Revenue, 12, St. John's Lane, Liverpool.
Oct. 1920	BOCKING, THOMAS GEORGE	13, Bennett's Hill, Birmingham.
A. Oct. 1904 F. Sep. 1905	*BODDINGTON, PERCY EDGAR	Inland Revenue, 51, Queen Street, Exeter.
A. Nov. 1890 F. Aug. 1893	*BODY, ARTHUR, A.R.I.B.A.	22, Lockyer Street, Plymouth, Devon, and 48, Corn Street, Bristol.
Feb. 1874	BOLAM, CHARLES GODFREY	Dunchurch, Rugby, Warwickshire, and 1, Great George Street, S.W.
Dec. 1875	BOLDEN, JOHN LEONARD, M.A. (<i>Cantab.</i>), C.V.O.	28, Lansdowne Road, Holland Park, W.
A. Oct. 1910 F. May 1917	*BOLTON, FRANK HOLMES	"Eversley," Whaley Bridge, Cheshire.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5592	Oct. 1909	BOLTON, SAMUEL H., CAPT. ..	123/4, Scottish Provident Building, Belfast.
199	May 1869	BOND, ERASMUS	Beachy Down, Edensor Road, Epsom, Surrey.
5628	A. Oct. 1909 F. Apr. 1921	*BOND, GERALD EDWARD ..	Buckingham.
8739	Jan. 1922	BOND, WALTER BENJAMIN ..	14, Temple Street, Birmingham.
8740	Jan. 1922	BONDS, JOSEPH ARTHUR ..	"Inglewood," 21, Brodrick Road, Wandsworth Common, S.W.
3502	Oct. 1899	*BOOKER, FRANK WILLIAM ..	34, Mapperley Road, Nottingham.
8741	Jan. 1922	BOOTH, ARTHUR	Albion Chambers, King Street, Nottingham.
2653	A. Oct. 1894 F. Nov. 1895	*BOOTH, GILBERT WILLIAM ..	45 and 46, Chandos St., Charing Cross, W.C.
5881	A. Oct. 1910 F. Mar. 1920	*BOOTH, HERBERT	Valuation Office, Inland Revenue, Huddersfield.
7662	Nov. 1918	BORROWES, EUSTACE	49, Rathdown Road, Dublin.
1883	A. Nov. 1890 F. June 1891	*BOULTING, FREDERICK EDWARD	45, Albany Street, Regent's Park, N.W.
3647	A. Oct. 1900 F. June 1906	*BOURCHIER, CLAUD J... ..	Estate Office, Nenagh, Co. Tipperary.
1795	May 1890	BOURNE, ROBERT ELLIOTT ..	Elwell, Totnes, Devon.
5882	A. Oct. 1910 F. Sept. 1917	*BOUSTRED, HENRY NORMAN ..	122, London Wall, E.C.
3201	A. Oct. 1897 F. Dec. 1902	*BOWDEN, HARRY	Wilts and Dorset Bank Chambers, George Street, Plymouth.
2134	A. May 1891 F. Nov. 1899	*BOWDEN, JOHN FRIENDSHIP ..	Bedford Chambers, Exeter.
777	Apr. 1890	BOWDITCH, HENRY	Sunny Bank, Chichester Road, Epsom, Surrey.
8003	A. Oct. 1919 F. July 1920	*BOWEN, ALFRED JOHN	Surveyor's Department, County Engineer's Office, Newport, Mon.
7749	Nov. 1918	BOWEN, JOHN, B.E.	County Offices, Dungarvan, Co. Waterford.
5114	A. Oct. 1907 F. Mar. 1920	*BOWES, CHARLES	Public Trustee Office, Kingsway, W.C.2.
8141	A. Oct. 1920 F. Apr. 1921	*BOWLES, WILLIAM	The Cottage, Elwick Road, Ashford, Kent.
1778	Apr. 1890	BOWLEY, JOHN CROSS	St. Tudno, Mountney Road, Epsom, Surrey.
8742	Jan. 1922	BOWLLER, WALTER JOHN ..	c/o Engineer-in-Chief, Great Central Railway, Marylebone, N.W.1.
8743	Jan. 1922	BOXALL, ARTHUR BURGESS ..	77, Belgrave Road, S.W.1.
1685	Jan. 1890	BOYD, JOHN JERMYN	Heath View, Weybridge, Surrey, Estate Offices, Hamilton Place, Weybridge, Surrey.
8379	Oct. 1921	BOYLE, JOHN CHARTERS	Estate Office, Armagh.
7641	Nov. 1916	BOYTON, SIR JAMES	6, Vere Street, W.
1325	Nov. 1886	BRACKETT, ARTHUR WILLIAM ..	27, High Street, Tunbridge Wells, Kent.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Nov. 1890 F. May 1892	*BRACKETT, FREDERICK HENRY..	27, High Street, Tunbridge Wells, Kent.
A. Oct. 1897	*BRACKETT, WILLIAM NEWBEGIN	Market Place, Retford, Nottinghamshire.
F. Apr. 1902	*BRADLEY, BENJAMIN	Roch House, Woodbury Park Road,
A. Oct. 1907		Tunbridge Wells.
F. Oct. 1920		
A. Oct. 1899	*§BRADSHAW, ARTHUR GEORGE ..	County Surveyor, Newland House,
F. June 1912		Lincoln.
Nov. 1916	*BRADSHAW, HUBERT	Valuation Office, Inland Revenue,
		17, Piccadilly, Bradford.
A. Dec. 1888	*BRADY, RALPH HOLLINSHED,	17, Warren Street, Stockport, Cheshire,
F. Nov. 1893	M.B.E.	and 42, John Dalton St., Manchester.
Oct. 1917	BRAGGE, GEORGE STEPHENSON	13, Grove Avenue, Moseley, Birmingham.
A. Oct. 1902	*BRAMLEY, FRANCIS HERBERT ..	The White Building, Fitzalan Square,
F. Apr. 1911		Sheffield.
A. Feb. 1916	*BRAY, JOHN SANDERS.. ..	18, High Street, Totnes, Devon.
F. Feb. 1919	BREACH, BENJAMIN P'ANSON..	29, Fleet Street, E.C.
Jan. 1888		
A. Oct. 1902	*BREALEY, REGINALD WOODHOUSE	Burns Croft, Leek, Staffordshire.
F. Oct. 1909	*BRENT, THOMAS	8, Norbury Crescent, Norbury, S.W.
A. Oct. 1901		(Surrey Committee.)
F. Nov. 1912		
Oct. 1909	*BRESSEY, CHARLES HERBERT,	Roads Dept., Ministry of Transport,
	LT.-COL., O.B.E., Chev. Leg. Hon.	Whitehall, S.W.1.
A. Oct. 1911	*BREWERTON, FRANK ASQUITH ..	2, Woodlands, Whalley Road, Man-
F. Dec. 1921		chester.
A. Oct. 1910	*†BRIANT, BERNARD	200, Kennington Park Road, S.E.
F. Apr. 1918	BRIANT, ROBERT.. ..	200, Kennington Park Road, S.E.
Jan. 1891	*BRICKWELL, ALFRED JAMES,	Surveyor's Office, Great Northern Rail-
Oct. 1908	C.B.E.	way, King's Cross, N.
Sep. 1895	BRIDGE, HENRY POWELL	Racket Hall, Roscrea, Tipperary.
Oct. 1920	BRIDGES, EDWARD JAMES, LT.-	
	COL., O.B.E., F.R.I.B.A. ..	12, Wilton Road, Salisbury.
Feb. 1887	BRIDGFORD, ERNEST JAMES ..	65, King Street, Manchester.
Oct. 1904	*BRIGGS, ARTHUR.. ..	Dearnlea, Langley Road, Prestwich,
		Manchester.
A. Oct. 1909	*BRIGHTEN, CLAUDE WILLIAM,	H.Q. Eastern Command, 16, Queen's
F. Dec. 1919	O.B.E.	Gardens, Bayswater, W.2.
A. Oct. 1896	*BRIGHTON, GEORGE LAWRENCE	28, Victoria Street, S.W.
F. Feb. 1900	*BRINSLEY, HERBERT GEORGE	Harris & Saltoun Estates, Dominica,
A. Oct. 1894	WILLIAM, M.C.	B.W.I.
F. Mar. 1899	BROAD, FREDERIC	2, Oxford Road, Bournemouth.
Jan. 1922	*BROAD, GORDON LESLIE, CAPT.,	Cedar Cottage, Stangrove Road,
A. Oct. 1906	O.B.E., M.C., A.R.I.B.A. ..	Edenbridge, Kent.
F. Sep. 1919		
A. Oct. 1903	*BROADBENT, WILLIAM	Hopwood, Horsforth, near Leeds.
F. Oct. 1909	BROCK, FREDERICK WILLIE ..	1, Calais Street, Camberwell, S.E.
Jan. 1922	BROCKLEBANK, JOHN	58A, Yorkshire Street, Rochdale, Lanca-
Nov. 1891		shire, and Todmorden, Yorkshire.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
6952	A. Feb. 1913 F. June 1919	*BROCKLEHURST, RICHARD GREAVES	Raymond House, 32, Theobald's F. W.C.
4377	A. Oct. 1904 F. Nov. 1909	*BROOK, HARRY	District Valuer's Office, 39, Kimbolton Road, Bedford.
3515	A. Oct. 1899 F. Dec. 1917	*BROOKER, FREDERICK GEORGE	The Corner Cottage, Sevenoaks.
1990	Mar. 1891	BROOKS, CHARLES WILLIAM, A.R.I.B.A.	Vernon House, Sicilian Avenue, Blooms- bury Square, W.C.
2938	A. Oct. 1895 F. Nov. 1897	*BROOKS, JOHN McMULLEN.. ..	4, Queen Victoria Street, E.C.
2939	A. Oct. 1895 F. Mar. 1899	*BROOKS, PHILIP FULLER	4, Queen Victoria Street, E.C.
1834	Nov. 1890	BROSTER, ROBERT BUCK	Craven Bank Chambers, North Street, Keighley, Yorkshire.
2135	A. May 1891 F. May 1893	*BROWN, ALEXANDER BURNETT..	Lennox House, Norfolk Street, Strand W.C.
3553	A. Oct. 1895 F. Mar. 1903	*BROWN, ARTHUR ALLEN	83, High Street, Croydon, Surrey.
3456	Feb. 1889	BROWN, CHARLES	Kerse Estate Office, Falkirk, Stirlingshire.
6993	Oct. 1913	BROWN, CLARENCE	H.M. Office of Works, King Charles Street, S.W.
7550	Feb. 1915	BROWN, EDWARD OTTO FORSTER	706-7, Salisbury House, Finsbury Circus, E.C.
7743	Nov. 1918	BROWN, FRANCIS DANIEL.. ..	65, Bath Street, Glasgow.
6176	A. Oct. 1911 F. July 1919	*BROWN, FRANK	407, Kingsland Road, N.E.
1500	Nov. 1888	BROWN, FRANK JOHN.. .. .	Tring, Herts.
8746	Jan. 1922	BROWN, FRED	30, Park Drive, Barrow-in-Furness.
6451	Oct. 1912	*BROWN, (GEORGE THOMAS, F.R.I.B.A.	51, Fawcett Street, Sunderland, Durham.
2507	A. Nov. 1892 F. Jan. 1899	*BROWN, GEORGE TURVILLE (Member of Council)	11, Little College St., Westminster, S.W.
8357	Oct. 1921	BROWN, HAROLD BLUMFIELD	104, High Holborn, W.C.1.
6543	A. Oct. 1912 F. Sept. 1917	*BROWN, JAMES	11, Melrose Gardens, Kelvinside, Glasgow.
8358	Oct. 1921	BROWN, LEONARD	21, Queen Anne's Gate, S.W.1.
5887	A. Oct. 1910 F. Apr. 1920	*BROWN, NORMAN ERNEST ..	6, Hanover Square, W.1.
5094	Oct. 1907	*BROWN, REGINALD, M.B.E., M.I.C.E., M.I.M.E.	Osterley, Longford Avenue, Southall, Middlesex, and Princes Mansions, 70, Victoria Street, S.W.1.
8747	Jan. 1922	BROWN, RUPERT B.	104, High Holborn, W.C.1.
7488	Oct. 1914	BROWN, WESTGARTH FORSTER..	15, Victoria Street, S.W.
2061	May 1891	BROWN, WILLIAM	63, John Street, Glasgow.
1313	May 1886	BROWN, WILLIAM BLUMFIELD..	104, High Holborn, W.C.
4379	A. Oct. 1904 F. June 1911	*BROWN, WILLIAM ERNEST, D.S.O., M.C.	39, Pepper Street, Chester.
3967	A. Oct. 1902 F. Jan. 1904	*BROWN, WILLIAM HENRY.. ..	

Date of Election and of Transfer.	FELLOWS.	Address.
Sep. 1895	BROWNE, ERNEST H. . . .	Brookfield, Tullamore, King's County.
A. Oct. 1905 F. Oct. 1915	*BROWNE, HUGH GILLESPIE . .	49 & 50, Parliament Street, S.W.1.
Oct. 1902	BRUNICARDI, DOMINIC N. . . .	Valuation Office, 6, Ely Place, Dublin.
Oct. 1919	BRUTON, HENRY TEW	Albion Chambers, King Street, Gloucester.
A. Oct. 1900 F. Sept. 1917	*BRUZAUD, GEORGE JOSEPH . .	Highfield End, West Byfleet, Surrey.
Jan. 1922	BRYANT, S. J.	8, Cross Street, Basingstoke, Hants.
Oct. 1912	*BRYDEN, CHARLES JOHN BAXTER	Afton, Milngavie, Dumbartonshire.
A. Oct. 1912 F. Nov. 1913	*BUCKINGHAM, CLAUDE SOMERSET	43A, Prince of Wales Road, Norwich.
Jan. 1890	BUCKLAND, HENRY DUNEAU . .	4, Bloomsbury Square, W.C., and Windsor, Berks.
A. May 1891 F. Oct. 1894	*BUCKLAND, SIDNEY CRAWFORD . .	4, Bloomsbury Square, W.C., and Windsor, Berks.
A. Oct. 1910 F. Apr. 1921	*BUDGEN, WILLIAM HAROLD	118, Southampton Row, High Holborn, W.C.1.
Nov. 1891	BULL, WALTER	77, Queen Victoria Street, E.C.4.
A. Oct. 1906 F. July 1917	*BULLER, FRANCIS CHARLES . .	The Estates Office, Electric Railway House, Westminster, S.W.
A. Oct. 1907 F. July 1919	*BULTEEL, WALTER GORDON . .	Charlestown, St. Austell.
Jan. 1922	BUNN, H. L.	10, John Street, Adelphi, W.C.2.
A. Oct. 1915 F. Dec. 1918	*BURCH, ARTHUR EDWIN	Earl of Wilton's Estate Office, New Street, Weymouth.
A. Oct. 1904 F. Apr. 1915	*BURCH, HERBERT	4, Mosley Street, Newcastle-on-Tyne.
A. Oct. 1905 F. Dec. 1911	*BURGE, JAMES THOMAS	Bombay Improvement Trust, Bombay.
A. Oct. 1897 F. Nov. 1900	*BURGESS, HENRY HERBERT PHILIP	c/o United Kingdom Provident Institution, 196, Strand, W.C.
Sep. 1895	BURKE, HENRY ANTHONY	Drumkeen, Ballinamallard, Co. Fermagh.
Feb. 1912	BURKE, MARTIN JOSEPH	H.M. Office of Works, Dublin.
Sep. 1895	BURKE, WILLIAM CREAGHE . . .	Cloonee, Ballinrobe, Co. Mayo.
A. Oct. 1905 F. Apr. 1911	*†BURKETT-SMITH, CECIL SYDNEY	31, St. Mary Abbott's Terrace, Kensington, W.
A. Oct. 1909 F. June 1914	*BURMAN, WILLIAM	Estate Office, Kiveton Park, near Sheffield.
May 1890	BURMESTER, JOHN WILLIAM STANLEY, F.R.I.B.A.	13, Queen Anne's Gate, Westminster, S.W.
A. Oct. 1905 F. Jan. 1912	*BURN, SIR JOSEPH, K.B.E. . . .	Prudential Assurance Company, 142, Holborn Bars, E.C.
Nov. 1891	BURNET, FRANK	180, Hope Street, Glasgow.
Dec. 1881	BURNETT, SIR DAVID, BART. . .	9 & 10, Fenchurch Street, E.C.4.
Oct. 1902 F. Sep. 1904	*BURNETT, JOHN, MAJOR	Estate Office, Stoodleigh, Tiverton, N. Devon.

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4643	A. Oct. 1905 F. Apr. 1913	*BURNETT, LESLIE TREW	9 & 10, Fenchurch Street, E.C.4.
4381	A. Oct. 1904 F. Dec. 1919	*BURR, FREDERICK MALCOLM ..	2, Finsbury Square, E.C.2.
3655	A. Oct. 1900 F. Dec. 1901	*†BURR, HARRY	Willington, Bedford.
4644	A. Oct. 1905 F. Apr. 1908	*BURR, THOMAS ARNOLD	Byron House, 85, Fleet Street, E.C.
3355	A. Oct. 1898 F. Jun. 1904	*BURROUGHES, CHARLES FITZPAT- RICK	Ketton Cottage, Stamford, Lincs.
379	Feb. 1875	BURROUGHES, THOMAS HENRY ..	
1832	A. Dec. 1886 F. Jan. 1890	*BURROWS, ALFRED JOHN	41, Bank Street, Ashford, Kent, and 20, Hanover Square, W.1.
4646	A. Oct. 1905 F. June 1919	*BURT, JOHN THOMAS	Central Chambers, 7, Pocklington Walk, Leicester.
1216	Dec. 1884	BURTENSHAW, ALBERT	Hailsham, Sussex.
3356	A. Oct. 1898 F. July 1901	*BURTENSHAW, ALBERT KING ..	Hailsham, Sussex.
5123	A. Oct. 1907 F. Oct. 1916	*BURTENSHAW, ARTHUR HOWARD	"Arley," Tenterden, Kent.
2940	A. Oct. 1895 F. Jan. 1897	*BURTON, AMOS, A.M.I.C.E. ..	Borough Engineer, Town Hall, STO upon-Trent, Staffordshire.
8750	Jan. 1922	BURTON, GILBERT H.	12, New Court, Carey Street, W.C.
3357	A. Oct. 1898 F. Sep. 1902	*BURTON, REGINALD ROBERT ..	London County Council, New Cour Hall, S.E.1.
5584	Oct. 1909	BURY, JOSHUA	8, John Dalton Street, Manchester
5892	A. Oct. 1910 F. Dec. 1918	*\$BUSS, HAROLD GEORGE	Deputy Valuation Commissioner Ministry of Health, S.W.1.
2657	A. Oct. 1894 F. Nov. 1899	*BUTLER, ALBERT ERNEST	28, Broad Street, Wokingham, Berksh
3205	A. Oct. 1897 F. May 1900	*BUTLER, CHARLES	Union Offices, Queen Street Sou Huddersfield, Yorkshire.
8751	Jan. 1922	BYWATERS, PERCY	5, Duke Street, Adelphi, W.C.2.
2184	Nov. 1891	CABLE, JAMES M., A.R.I.B.A. ..	19, Trinity Rise, Tulse Hill, S.W.2.
1638	Dec. 1889	CÆSAR, CHARLES EDWARD	105, Tooley Street, Southwark, S.E.
6183	A. Oct. 1911 F. June 1919	*CALLINAN, PATRICK	59, Addison Gardens, W.14.
8367	Oct. 1921	CALLOW, GEORGE DANIEL	Civil Engineer-in-Chief's Depar ment, Admiralty, S.W.1.
5331	Feb. 1908	CAMERON, ANGUS	Seafield Estates Office, Elgin, N.B.
2942	A. Oct. 1895 F. Dec. 1896	*CAMPBELL, HUGH BRUCE	Heyford Hills, Weedon, Northants.
4110	A. Feb. 1903 F. Sep. 1904	*CANCH, THOMAS RICHARD	Park View, Forres, N.B.
3969	A. Oct. 1902 F. Dec. 1904	*CANDY, WALTER EMMANUEL ..	Encombe, Wareham, Dorset.
6131	Oct. 1911	*CANTLAY, ROBERT WILLIAM ..	22, Finsbury Square, E.C.

Date of Election and of Transfer.	FELLOWS.	Address.
Nov. 1918	CARBURY, JOHN	6, Ely Place, Dublin.
Jan. 1922	CARLESS, THOMAS JAMES ..	11, Old Queen Street, Westminster, S.W.1.
Oct. 1919	*§CARLTON, HARRY WESTON ..	Lubenham, Market Harborough.
A. Oct. 1911	*CARNEGIE, JOHN WILLIAM	c/o Messrs. Battam & Heywood, 20,
F. Oct. 1920	PERCY	Davies Street, Berkeley Square, W.1.
A. Oct. 1911	*CARPENTER, ALFRED JOSEPH ..	89, Fawnbrake Avenue, Herne Hill, S.E.
F. Apr. 1916	*CARR, CHARLES WATSON ..	32, The Avenue, Eastbourne, Sussex.
A. Oct. 1908	CARSON, WILLIAM B.	Broomfield, Malahide, Co. Dublin.
F. Oct. 1920	*CARSWELL, ARTHUR GEMMELL ..	Capesthorpe, Chelford, Cheshire.
Sep. 1895	CARTER, DAVID CHAMBERLAIN	Cogall Chambers, Bowlalley Lane, Hull.
A. Oct. 1907	CARTER, THOMAS HENRY	Estate Office, Castletown, Mountrath, Queen's County.
F. Apr. 1919	*CARTWRIGHT, ALFRED STOTT ..	Council Office, Wilmslow, Cheshire.
Jan. 1922	CARTWRIGHT, JOSHUA, M.I.C.E. . .	Albion Place, Bury, Lancashire.
Nov. 1918	*CASTLE, MALCOLM ARTHUR ..	Bridge Auction Mart, Great Yarmouth, Norfolk.
A. Oct. 1895	*CATON, EDMUND PERCY	Sunnyside, Avondale Road, Hove, Sussex.
F. Nov. 1898	CAVE, THOMAS NEWMAN	Horton, Northamptonshire.
Nov. 1891	CHALK, HENRY PHILIP	Linton, Cambridgeshire.
A. Oct. 1913	*CHAMBERLAIN, GEORGE ARTHUR	Whitegates, Enville, near Stourbridge, Worcestershire.
F. Oct. 1920	RADDON	
A. Oct. 1906	*§CHAMBERS, SIR THEODORE	Welwyn Garden City, Herts.
F. Sep. 1919	GERVASE, K.B.E.	c/o Messrs. Hobbs & Chambers, Faringdon, Berks.
Apr. 1888	*CHAMBERS, WADDELOW NIX ..	Northland Row, Dungannon, Co. Tyrone.
Nov. 1890	CHAMBRÉ, C. B. M.	Sidbury Manor Estate Office, Sidbury, Sidmouth, Devon.
A. Feb. 1897	*CHAMPERNOWNE, AMYAS	Spital Street, Dartford, Kent.
F. June 1899	WALTER	Neville Lodge, West Malling, Kent.
A. Oct. 1894	*CHANDLER, JOHN	Valuer's Office, 1, Alexandra Villas, Finsbury Park, N.
F. Feb. 1896	*CHAPMAN, ARTHUR HENRY ..	Metropolitan Water Board, South Place, Finsbury Pavement, E.C.
A. Feb. 1907	*§CHAPMAN, CHARLES ALBERT ..	101, Connaught Road, Roath Park, Cardiff.
F. Apr. 1916	CHAPMAN, GEORGE JAMES,	R.E. Office, Hong Kong.
Sep. 1895	MAJOR, O.B.E.	H.M. Office of Works, King Charles Street, Westminster, S.W., and 153, Stapleton Hall Road, Stroud Green, N. (Middlesex).
A. Oct. 1902	CHAPPELL, FRANK RICHARDSON	
F. Dec. 1920		
A. Nov. 1918		
F. Oct. 1920		
Oct. 1905		
A. Oct. 1902		
F. June 1908		
A. Oct. 1909		
F. Mar. 1920		
A. Oct. 1909		
F. Dec. 1910		
Feb. 1897		
Oct. 1906		

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5377	Oct. 1908	*CHARLES, ARTHUR	Noseley Estate, Billesdon, Leicester.
7095	A. Oct. 1913 F. Oct. 1920	*CHARLES, RICHARD DUDLEY STAFFORD	Stonegrove Cottage, Edgware, Middlesex.
1800	May 1890	CHARLES, RICHARD STAFFORD ..	Pinnars Hall, Old Broad Street, E.C. and Green Acres, Gordon Avenue, Stanmore, Middlesex.
3016	A. Jan. 1896 F. Nov. 1901	*†CHART, CHRISTOPHER	Union Bank Chambers, Croydon.
1768	Mar. 1890	CHART, ROBERT MASTERS	The Vestry Hall, Mitcham, Surrey.
3362	A. Oct. 1898 F. Nov. 1901	*CHATTELL, FRANCIS LORiot ..	Lower Camden, Chislehurst, Kent.
6465	Oct. 1912	CHATTERTON, ABRAHAM	Kilgarron, Enniskerry, Co. Wicklow.
5841	Oct. 1910	*CHEEKE, WILLIAM ALEXANDER, MAJOR	28, Molesworth Street, Dublin.
3656	A. Oct. 1900 F. Dec. 1904	*CHESTERTON, SIDNEY JAMES, M.B.E.	116, Kensington High Street, W.
1755	Mar. 1890	CHESTERTON, SIDNEY RAWLINS ..	116, Kensington High Street, W.
7566	Oct. 1915	*CHEVERTON, ALFRED DOUGLAS	26A, Portsmouth Road, Woolston, Southampton.
2193	Nov. 1891	CHEW, HENRY VICTOR	44, Bedford Row, W.C.1.
3519	A. Oct. 1899 F. Oct. 1900	*CHICHESTER, RICHARD HERBERT	Nannan Estate Office, Dolgelau, N. Wales.
8359	Oct. 1921	CHIDGEY, HUGH THOMAS ARTHUR	18, Adam Street, Strand, W.C.2.
1731	Feb. 1890	CHILD, FRED	65 and 66, Chancery Lane, W.C., and Station Road, New Barnet, Hertfordshire.
3058	Oct. 1896	CHILD, HENRY JOHN, LT.-COL. ..	Room 38, Horse Guards, Whitehall, S.W.1
7489	Oct. 1914	CHILDE, HENRY SLADE	Wakefield, Yorkshire.
6190	A. Oct. 1911 F. Sep. 1919	*CHILTON, ERNEST ALFRED ..	Molesey House, Uckfield, Sussex.
1112	A. Feb. 1884 F. June 1891	CHRISTY, ARCHIBALD ERNEST ..	12, Great St. Helens, E.C.
7656	Nov. 1916	CIMA, GERALD JOSEPH	H.M. Office of Works, King Charles Street, S.W.
3754	Jan. 1922	CLARIDGE, WILLIAM DAVID ..	L.C.C. Architects' Department, 1 County Hall, Westminster, S.W.
5900	A. Oct. 1910 F. Oct. 1911	*CLARK, ALFRED HENRY	4, Adelphi Terrace, W.C.
4652	A. Oct. 1905 F. Apr. 1920	*§CLARK, DUNCAN WALTER ..	St. Runwalds, 3, West Stockport Street, Colchester.
5078	A. Feb. 1907 F. July 1918	*CLARK, HENRY DENTON	St. Peter's Churchyard, The Colchester.
2484	Feb. 1892	CLARK, JOHN MCCLARE (Vice-President)	Haltwhistle & Hexham, Northumberland.
3364	A. Oct. 1898 F. July 1905	*CLARK, NATHANIEL	Tanfield Hall, Tantobie, S.O., Co. Durham.
681	Jan. 1882	CLARK, SAMUEL	8, New Cavendish Street, W.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1904 F. Feb. 1919	*CLARKE, ALFRED HOWARD . . .	11, High Street, Crawley, Sussex.
May 1890	CLARKE, CHRISTOPHER . . .	Charlcot, Bedale, Yorkshire.
*A. Oct. 1900 F. July 1901	*CLARKE, ERNEST SEYMOUR, CAPT.	21, Surrey Street, Strand, W.C.2.
A. Oct. 1911 F. July 1921	*CLARKE, FRANCIS ARCHIBALD	Brentwood, Maple Grove, Prestwich, Manchester.
Oct. 1921	CLARKE, FRANCIS MILLETT . . .	6, Ely Place, Dublin.
Mar. 1891	CLARKE, GEORGE ERNEST . . .	31, The Mall, Southgate, N.14 (Middlesex).
Jan. 1922	CLARKE, GEORGE JOHN . . .	32, Bensham Manor Road, Thornton Heath, Surrey.
A. Dec. 1883 F. Nov. 1889	CLARKE, PERCY HENRY . . .	21, Surrey Street, Strand, W.C.2.
A. Oct. 1907	*CLARKE, ROBERT, CAPT. . . .	2, Hartington Street, Derby.
F. July 1918	CLARKE, STANLEY CHATFEILD . .	102, Bishopsgate Street, E.C.2.
Jan. 1891	CLARKSON, WILLIAM	87, East India Dock Road, E.14.
Nov. 1890	*CLARKSON, WILLIAM, JUN... . .	9 and 10, Fenchurch Street, E.C., 136, High Street, Poplar, E., and 9, Val-
A. Oct. 1897 F. Oct. 1900		kyrie Road, Westcliff-on-Sea, Essex.
A. Oct. 1904 F. May 1910	*CLAY, WILLIAM HENRY CHRISTY, O.B.E., A.M.I.C.E.	Estate Office, Midland Railway, Derby
Oct. 1909	CLAYTON, JOHN GRAVES	32, Nassau Street, Dublin.
A. Oct. 1911 F. Dec. 1914	*CLEGG, HERBERT	100, Clarence Road, Derby.
A. Oct. 1903	*SCLEMENTS, CYRIL JOHN	19, Watson Avenue, Mansfield, Notts.
F. June 1911	CLEVELY, F. J.	39, Bloomsbury Square, W.C.1.
Jan. 1922	CLUTTON, JOHN HENRY	5, Great College Street, Westminster Abbey, S.W.
A. July 1868 F. May 1875		
A. Jan. 1870 F. Dec. 1875	CLUTTON, RALPH WILLIAM . . .	Hartswood, Reigate, Surrey.
A. Oct. 1909 F. Oct. 1920	*COADE, CECIL JAMES	118, Southampton Row, Russell Square, W.C.
A. Dec. 1885 F. May 1894	*COALES, HERBERT GEORGE, A.M.I.C.E.	Local Board Offices, Market Harborough.
Oct. 1912	*COATES, FREDERICK ERNEST . .	5, The Craiglands, Sunderland, Durham.
A. Feb. 1904 F. Apr. 1913	*COATES, LAURENCE CALVERT . .	Windsor House, 83, Kingsway, W.C.2.
A. Oct. 1903	*COATES, PERCY BREVITT	Fairholme, North Curry, Taunton.
F. Oct. 1907	*COBB, HENRY FREDERICK, LT.-COL., C.B.E.	61 and 62, Lincoln's Inn Fields, W.C., and Cathedral Chambers, Rochester.
A. Oct. 1902 F. Jan. 1908	COBB, HERBERT MANSFIELD (Member of Council), C.B.E.	Cathedral Chambers, Rochester, and 61 & 62, Lincoln's Inn Fields, W.C.
Jan. 1882		
A. Oct. 1901 F. Nov. 1907	*COBB, ROBERT	"Watlynge," near Rochester, Kent.
A. Oct. 1900 F. July 1901	*COCHRANE, WILLIAM JAMES . .	15, Thornhill Terrace, Sunderland, Durham.

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3808	A. Oct. 1901 F. Apr. 1914	*COCKS, JOHN FREDERICK	Hertford.
3196	Nov. 1891	COCKS, SAMUEL ROGER	5, St. Thomas' St., Ryde, Isle of Wight.
5647	A. Oct. 1909 F. Dec. 1919	*COLE, CHARLES PHILIPS	Four Corners, Tring, Herts.
3365	A. Oct. 1898	COLE, FRANCIS JOSEPH, M.B.E. . .	Director of Works Department
4601	F. Oct. 1905		Admiralty, S.W.
3976	A. Oct. 1902 F. Nov. 1908	*COLE, HERBERT COVINGTON, COLONEL, C.B.E.	Room 775, Caxton House, Tottenham Court Road, W.1.
3810	A. Oct. 1901 F. June 1911	*COLES, JAMES HATCH	7, New Road, Chatham, Kent.
1839	Nov. 1890	COLES, SAMUEL HOOD COWPER	Lower Bisterne, Ringwood, Hampshire.
5842	Oct. 1910	*COLES, WALTER GEORGE	Board of Agriculture for Scotland 29, St. Andrew Square, Edinburgh.
799	A. Feb. 1882 F. Feb. 1884	COLGATE, THOMAS	Meeching Court House, Newhaven, Sussex.
1202	A. May 1884 F. Oct. 1911	*COLLIER, ARTHUR CHARLES	20, The Close, Norwich.
6843	Oct. 1910	*COLLIER, HENRY HEWETT	69, Fleet Street, E.C.
1414	A. Dec. 1887 F. Feb. 1891	COLLINGHAM, JOHN CYRIL LEES	6, Mount Street, W.
5572	A. Oct. 1912 F. July 1919	*COLLINS, LEONARD KEYTE	1, Newhall Street, Birmingham.
826	A. Dec. 1882 F. Jan. 1891	COLLINS, MARCUS E.	61, Old Broad Street, E.C.
2062	May 1891	COMMIN, FREDERICK JAMES	5, Victoria Street, S.W.
1926	Jan. 1891	CONDER, ALFRED, F.R.I.B.A.	1, Queen Street Place, E.C.
8757	Jan. 1922	CONNELL, E. J.	Trinity Buildings, 25, New Bridge Street, Newcastle-on-Tyne.
3174	Oct. 1907	CONNOR, GEORGE HARRY ADAMS	Estates Office, Longniddry, N.B.
5571	A. Feb. 1909 F. July 1921	*CONQUEST, CLAUDE DUNCOMBE	c/o Messrs. Thurgood, Martin & Evers 27, Chancery Lane, W.C.2.
5367	Oct. 1908	CONSTABLE, GEORGE WILLIAM	Traquair Estate Office, Innerleithen, N.B.
7989	Oct. 1919	*CONWAY, EDWARD JOHN	120, Upper Shirley Avenue, Southampton.
3948	Oct. 1902	*COOPER, ARTHUR JOHN	8, Paddinswick Road, Ravenscroft Park, W.6.
3664	A. Oct. 1900 F. Nov. 1907	*COOPER, GEORGE AUGUSTUS	7 and 9, Tunbridge Road, Maidstone.
3813	A. Oct. 1901 F. July 1905	*COOPER, HARRY THOMAS	106, George Street, Portman Square, W.1.
1927	Jan. 1891	COOPER, JOHN ROBERT	35, Old Jewry, E.C., and Queen's Lodge, West End Lane, West Hampstead, N.W.
2772	Sep. 1895	COOTE, STANLEY VICTOR, M.A. (Oxon).	"Germaines," Chesham, Bucks.
1966	A. Jan. 1891 F. Jan. 1895	*COPE, HENRY JAMES	7, Guildford Place, Russell Square, W.C.1.
1597	Mar. 1889	CORBETT, EDWIN WORTLEY MONTAGU	Bute Estate Office, Castle St., Cardiff.
3666	A. Oct. 1900 F. Sep. 1905	*CORBETT, JOHN ROOKE, M.A. (Cantab.)	26, Range Road, Whalley Range, Manchester.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Nov. 1891 F. May 1892	*CORDEROY, ATHELSTANE	
Feb. 1889	CORDEROY, GEORGE (<i>Member of Council</i>)	21, Queen Anne's Gate, S.W.
Oct. 1915	*COSTELLO, JOSEPH	43, Westbourne Grove, Middlesbrough, Yorks.
Oct. 1898	*COTTERELL, ALBERT PLAYER	
A. Apr. 1883 F. Nov. 1889	ISAAC, M.I.C.E.	17, Old Queen Street, S.W.
	COUCHMAN, HENRY BOTELE ..	Moor Park Estate Office, Rickmansworth, Herts.
A. Oct. 1911 F. July 1916	*COUGHLAN, PATRICK	King Street, Mitchelstown, Co. Cork.
Oct. 1911	*COULSON, RICHARD	St. James' Gate, Dublin.
A. Oct. 1902 F. Dec 1921	*COURTENAY, CHARLES PHILIP ..	Town Hall, Greenwich.
Jan. 1880	COVERDALE, FREDERICK JOHN ..	Ingatestone Hall, Essex.
Feb. 1882	COVERDALE, HENRY	The Duke of Norfolk's Estates Office, Sheffield, Yorkshire.
A. Oct. 1908 F. Mar. 1920	*SCOWELL, NORMAN, M.C.	District Valuer's Office, Bromley House, High Street, Bromley, Kent.
A. Oct. 1897 F. Nov. 1900	*COWPER, WILLIAM SHAPLAND ..	81, High Street, Sittingbourne, Kent.
Oct. 1913	*COX, ARTHUR STANLEY	16, Queen Victoria Street, Reading.
Feb. 1890	COX, EDWARD SAMUEL (<i>Member of Council</i>)	3, New Street, York.
A. Oct. 1896 F. May 1900	*COX, WALTER THEODORE	Holmbury, Bower Mount Road, Maidstone.
A. Oct. 1911 F. Sep. 1919	*COY, FREDERICK WILLIAM FOSTER	10, Albert Mansions, Albert Bridge Road, S.W.11.
Nov. 1916	*CRABB, HENRY RALPH	Public Offices, Enfield, Middlesex.
A. Oct. 1902 F. Jan. 1910	*CRABTREE, PERCY	Valuation Office, Inland Revenue, Huddersfield.
Oct. 1911	*CRACKNELL, JOHN GIBSON	28, Fortis Green, N.2 (Middlesex).
A. Oct. 1899 F. Oct. 1907	*CRAGG, GEORGE EDWIN	Cayley Estate Office, Colwyn Bay, Denbighshire.
Jan. 1922	CRAMER, JAMES	34, John Dalton Street, Manchester.
A. Oct. 1899 F. Sep. 1903	*CRAMPTON, ARTHUR WESLEY ..	48, Hamilton Gardens, St. John's Wood, N.W. 8.
Nov. 1891	CRANFIELD, WILLIAM BATHGATE	6, Poultry, E.C.
Jan. 1922	CRAPP, F. E.	c/o J. K. Dale, 117, Colmore Row, Birmingham.
A. Oct. 1913 F. Dec. 1918	*CRAWFORD, ANDREW RENNIE, Lic.R.I.B.A.	Land Valuation Office, 249, George Street, Glasgow.
A. May 1883 F. Nov. 1888	CRAWTER, JOHN	White House, Claygate, Surrey.
A. Oct. 1907 F. Apr. 1919	*CREASEY, JOHN ROGERS, JUN. ..	District Valuer's Office, 1, Lewisham Hill, S.E.
Jan. 1922	CRICKMAY, HARRY WILLIAM ..	49, St. Mary Street, Weymouth.
A. Nov. 1891 F. Jan. 1896	*CRIER, JOHN THOMAS	64, Corder Road, Ipswich.

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5424	A. Oct. 1908 F. Oct. 1909	*CRISP, GEORGE FREDERICK ..	Valuation Office, Wells Road, M vern, Worcestershire.
5425	A. Oct. 1908 F. July 1920	*CROFT, CHRISTOPHER	The Elms, Dallington, Northampt.
608	A. Feb. 1881 F. Feb. 1890	CROFTS, EWAN NEVILLE	Caythorpe, Grantham, Lincolnshire.
8368	Oct. 1921	CRONE, WILLIAM MURRAY ..	65, West Regent Street, Glasgow.
8310	A. Feb. 1898 F. July 1902	*CRONK, CHARLES TYLEE	26, Redcliffe Square, S.W.10.
731	Feb. 1882	CRONK, FRANK	Kent House, 1B, King Street, James' Square, S.W., and Sevenoaks Kent.
5426	A. Oct. 1908 F. July 1916	*CROOK, FELIX	17, Hooley Range, Heaton Mo Stockport, Cheshire.
5139	A. Oct. 1907 F. May 1910	*CROPPER, RICHARD BLAYLOCK	5, St. Petersgate, Stockport, Cheshi
4660	A. Oct. 1905 F. Oct. 1920	*CROSHER, WILLIAM SAMUEL, M.B.E.	Haims, Hampstead Way, Hampste Garden Suburb, N.W.
2188	A. May 1891 F. May 1898	*CROSS, ARNOLD CHARLES MARTIN	Hallatrow, Leiston, Suffolk.
4124	Oct. 1903	*CROSS, ARTHUR GEORGE (<i>Mem- ber of Council</i>)	28, Victoria Street, Westminster, S.
1754	Mar. 1890	CROSS, WILLIAM HASLAM	77, King Street, Manchester.
8111	Oct. 1920	*CROSSLEY, FREDERICK	Estate Office, Gawthorpe Hall, Bu ley, Lancs.
5140	A. Oct. 1907 F. Apr. 1914	*CROW, FREDERICK LEWIS, JUN.	c/o Messrs. Crow, Dorking, Surrey.
5141	A. Oct. 1907 F. Oct. 1909	*CROZIER, HARRY WILLIAM ..	Netherlow, London Road, Hertford
3814	A. Oct. 1901 F. Apr. 1913	*CRUMP, EDWARD HAROLD ..	Parklands, Tyndall's Park Roa Bristol.
4153	A. Oct. 1903 F. Dec. 1915	*CRUMP, HAROLD	Quarndon, 8, Ashbourne Avenu Golder's Green, N.W., (Middlese
2208	Nov. 1891	CRUWYS, ROBERT	51, Upper Tulse Hill, S.W.
8761	Jan. 1922	CUBITT, HARRY	Bedford Row Chambers, 42, Th bald's Road, W.C.1.
5428	A. Oct. 1908 F. Dec. 1911	*CULE, EDWARD IVOR	6A, The Temple, Dale Street, Liv pool.
3768	A. Feb. 1901 F. May 1909	*CULLEN, FELIX VICTOR	82, Mortimer Street, W.
6583	A. Oct. 1912 F. Apl. 1920	*CULLIFORD, LEONARD ARTHUR, A.R.I.B.A.	3, John Street, Bedford Row, W.C
4154	A. Oct. 1903 F. Apr. 1913	*CULVER, HERBERT GEORGE ..	10, Old Jewry Chambers, E.C.2.
3368	A. Oct. 1898 F. Dec. 1899	*CULVERHOUSE, CECIL GOLDAR FEARN	23, Gloucester Place, Brighton.
7120	A. Oct. 1913 F. Sep. 1919	*CULVERWELL, GEORGE LANE ..	14, Market Place, Chippenham.
1928	Jan. 1891	CUMBERLAND, EDWARD ANTHONY	Luton and Leighton Buzzard, Bedf shire.
4156	A. Oct. 1903 F. Nov. 1908	*CUNDY, HENRY I.	Oakhurst, Forest Rise, Walthamst E. 17. (Essex.)

	Date of Election and of Transfer.	FELLOWS.	Address.
8	Feb. 1899	CUNNINGHAM, ROBERT	65, Morningside Drive, Edinburgh.
15	Oct. 1911	*CURRIE, ARTHUR LORIMER	192, Ledard Road, Langside, Glasgow.
31	Dec. 1880	CURTIS, CHARLES EDWARD	Woodlands, Brockenhurst, Hants.
38	A. Mar. 1895 F. May 1898	*CUTHBERT-WILLIAMS, HENRY	Dudley House, The Steyne, Bognor, Sussex.
22	A. Oct. 1913	*CUTLACK, WILLIAM AUSTIN	11, Palace Grove, Bromley, Kent.
29	F. Sep. 1919 A. Oct. 1899 F. Nov. 1903	*CUTLER, GEORGE ALFRED	6, Welbeck Court, Addison Bridge, Kensington.
7	A. Oct. 1897 F. July 1905	*DADD, CHARLES JOHN THOMAS	Architects' Department, L.C.C., Spring Gardens, S.W.
19	A. Oct. 1904 F. June 1909	*DADSON, REGINALD THORNTON, O.B.E.	2, John Street, Bedford Row, W.C.1.
37	A. Oct. 1912 F. Sept. 1917	*DAKERS, EDWARD JOHN WILLIAM	Blairard, Fotheringham Road, Ayr, N.B.
32	Jan. 1922	DALE, JOHN KIRKHAM	117, Colmore Row, Birmingham.
30	A. Feb. 1902 F. Feb. 1908	*DALGLIESH, CHRISTOPHER	1, Victoria Square, Reading.
33	A. Oct. 1905 F. Oct. 1914	*DAMPNEY, CYRIL JOHN	68, St. James's Street, S.W.1.
8	A. Oct. 1897 F. Feb. 1901	*DANGERFIELD, THOMAS SAMUEL	19 and 20, Holborn Viaduct, E.C.
6	A. Oct. 1901 F. Jan. 1909	*§DANIELL, FREDERICK STANLEY	Head Gate, Colchester.
32	Feb. 1882	DANN, HENRY	Dartford, Kent.
31	A. Oct. 1899 F. Nov. 1903	*DANN, HENRY, JUN.	3, Spital Street, Dartford, Kent.
34	A. Oct. 1905 F. Oct. 1915	*§DANNATT, PERCY BOOTHROYD, A.R.I.B.A.	47, Westcombe Park Road, S.E.3.
36	A. Dec. 1889 F. Apr. 1891	*DARCH, JOHN	55, West Side, Wandsworth Common, S.W.
38	A. Oct. 1910 F. Apr. 1921	*DARLING, JOHN	25, Pitcullen Terrace, Perth.
37	A. Feb. 1883 F. May 1891	DASH, ROLAND ASHFORD	Valuation Office, Inland Revenue, Lincoln's Inn Fields, W.C., and Oxshott, Surrey.
39	A. Oct. 1900 F. July 1901	*DAUBNEY, CHARLES ARCHIBALD, A.R.I.B.A.	District Surveyor, Bermondsey, Bank Chambers, Tower Bridge, Bermondsey, S.E.
33	Jan. 1922	DAVENPORT, W. T.	26A, Sankey Street, Warrington.
31	A. Oct. 1904 F. Jan. 1912	*DAVEY, JOHN	30, Glenshiel Road, Eltham, S.E.
48	A. Dec. 1882 F. Nov. 1890	DAVID, EDMUND USSHER	4, Park Place, Cardiff, Glamorganshire
78	A. Oct. 1902 F. Dec. 1920	*DAVID, LEWIS WOOLLEY, B.A. (Cantab.)	11, Cathedral Road, Cardiff.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3670	A. Oct. 1900 F. July 1905	*|| DAVIDGE, WILLIAM ROBERT, F.R.I.B.A., A.M.I.C.E.	27, Abingdon Street, S.W.1.
3460	Feb. 1899	DAVIDSON, CHARLES	Terrace Buildings, Paisley, Renfrewshire.
3176	Oct. 1897	DAVIDSON, JAMES INGLIS (Vice-President)	Saughton Mains, Corstorphine, Midlothian.
8764	Jan. 1922	DAVIDSON, WILLIAM JAMES	"Longleat," Queen's Road, Cheltenham.
6136	Oct. 1911	*DAVIE, ALEXANDER	7, Herries Road, Pollokshields, Glasgow.
8015	A. Oct. 1919 F. Apr. 1921	*DAVIES, BENJAMIN PRICE	Bryn Awel, Ystrad Mynach, near Cardiff.
2575	A. Oct. 1893 F. Mar. 1896	*\$DAVIES, CYRIL FROODVALE	Hafdre, Llanwrtyd Wells, Brecknockshire.
2512	A. Nov. 1892 F. Oct. 1894	*DAVIES, DAVID THOMAS	33, Park Place, Cardiff.
5145	A. Oct. 1907 F. Nov. 1912	*DAVIES, HAROLD CLIFFE	97, Mount Road, Higher Tranmere, Birkenhead, Cheshire.
5378	Oct. 1908	*DAVIES, HORACE FRANCIS, A.R.I.B.A.	32, Grange Road, Brook Lane, Chesham.
300	Feb. 1873	DAVIES, JOHN MORGAN	Froodvale, Llanwrda, South Wales.
4402	A. Oct. 1904 F. Nov. 1908	*DAVIES, JOHN NICHOLLS	96, Ashen Grove, Wimbledon Park, Surrey.
7125	A. Oct. 1913 F. June 1919	*DAVIES, JOHN SIMON	56, Morfa Street, Bridgend.
3532	A. Oct. 1899 F. Mch. 1920	*DAVIES, JOHN WILLIAM SATTERLEY HUMPHREYS	District Valuer's Office, 1, Christchurch Street, Swansea.
4158	A. Oct. 1903 F. Apr. 1919	*DAVIES, RHYS WILTSHIRE	37, Regent Circus, Swindon.
2212	Nov. 1891	DAVIS, ALFRED THOMAS, MAJOR, M.I.C.E.	Shirehall, Shrewsbury.
8765	Jan. 1922	DAVIS, ARCHIBALD HINKLEY	90, Pilgrim Street, Newcastle-on-Tyne.
4939	A. Oct. 1906 F. June 1919	*DAVIS, ARTHUR HENRY	19, Hanover Square, W.
8766	Jan. 1922	DAVIS, WILLIAM EDWARD	13, John Street, Adelphi, W.C.2.
5912	A. Oct. 1910 F. Dec. 1919	*DAVSON, ALAN Warburton	42, Lansdowne Crescent, Holland Park, W.11.
5431	A. Oct. 1908 F. Apr. 1919	*DAW, HERBERT WARWICK (Chairman of Junior Meetings)	100c, Queen Victoria Street, E.C.4.
897	Feb. 1883	DAW, WILLIAM HERBERT	100c, Queen Victoria Street, E.C.4.
6599	A. Oct. 1912 F. Dec. 1920	*DAWES, GEORGE WILLIAM FRANCIS	74, Cheapside, E.C.2.
5095	Oct. 1907	*DAWSON, CHARLES FORD	Public Offices, Barking.
7127	A. Oct. 1913 F. Dec. 1921	*DAWSON, ERNEST	49, Deansgate, Manchester.
3870	A. Oct. 1893 F. Oct. 1900	*DAWSON, GEORGE CROSBIE	19, Priory Row, Coventry, Warwickshire.
5148	A. Oct. 1907 F. July 1919	*DAWSON, HENRY WALKER	Union Offices, Parson's Lane, Burnley, Lancs.
6137	Oct. 1911	*DAWSON, ROBERT ALEXANDER	The Farm, Gordon Castle, Fochabers, Moray.
1642	Dec. 1889	DAY, GEORGE CARLETON	Estate Office, Woodbridge, Shaftesbury, Dorset.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Dec. 1883 F. Nov. 1887 Oct. 1914 Nov. 1916	*DAY, WILLIAM *DAYKIN, HARRY DEACON, MAURICE	High Street, Maidstone, Kent. "Elmsley," Trowle, Trowbridge, Wilts. Chase Cliffe, Whatstandwell, near Matlock.
A. Oct. 1901 F. Apr. 1911	*DEACON, STANLEY MARCUS ..	Grasmere, Red Down Road, Coulsdon, Surrey.
Jan. 1882	DEACON, THOMAS MARK	32, Craven Street, Charing Cross, S.W.
A. Oct. 1911 F. Mar. 1920	*DEAN, WILLIAM	42, Radford Road, Coventry.
Jan. 1922	DEARLE, WILLIAM WALKER ..	13, John Street, Adelphi, W.C.2.
A. Oct. 1893 F. Jan. 1899	*DEBENHAM, FREDERIC KERSEY	25 and 27, Oxford Street, W.
A. Oct. 1912 F. Dec. 1918	*DE LA QUINTANA, CARLOS YGNACIO ELIAS	7, Belgrave Road, S.W.1.
A. Oct. 1899 F. Mar. 1903	*DELVES, ROBERT HARVEY AD- DINGTON	City Improvement Trust, Bombay.
A. Dec. 1883 F. Oct. 1891	DEMETRIADI, THOMAS MARSDEN	Valuation Office, 32, John William Street, Huddersfield.
A. Dec. 1889 F. Jan. 1894	*DENDY, WILLIAM COOPER ..	Borough Engineer's Department, Lam- beth Town Hall, Brixton Hill, S.W.
Jan. 1891	DENNISON, JOHN W., F.R.I.B.A.	28, Upperton Gardens, Eastbourne, Sussex
A. Oct. 1902 F. July 1918	*DENSHAM, JOHN BOON	The Warren, Higher Drive, Purley, Surrey.
A. Oct. 1897 F. May 1903	*DENTON, WILLIAM	Montgomery Chambers, Hartshead, Shef- field.
Jan. 1922	DESCH, E. C.	3, Pump Court, Temple, E.C.
A. Oct. 1909 F. July 1920	*DIBDIN, ROBERT JOHN ..	45, Fenchurch Street, E.C.
Sep. 1895	DICKINSON, CHARLES, B.A. (Dublin)	23, South Frederick Street, Dublin.
Oct. 1912	DICKINSON, HAROLD	23, South Frederick Street, Dublin.
A. Oct. 1908 F. May 1917	*DICKSON, ALFRED ERIC, CAPT..	30, Winckley Square, Preston, Lancs.
A. Dec. 1884 F. May 1885	*DICKSON, THOMAS ARTHUR ..	17, Debdale Road, Wellingborough.
A. Oct. 1894 F. May 1897	*DINWIDDY, DONALD	54, Parliament Street, S.W., and Greenwich, S.E.
Feb. 1883	DINWIDDY, THOMAS, F.R.I.B.A.	St. Margarets-at-Cliffe, Dover.
A. Oct. 1908 F. Feb. 1919	*DIXON, ISAAC	7, Plattsville Road, Mossley Hill, Liverpool.
A. Oct. 1909 F. Apr. 1919	*DIXON, MYLES	20, Castle Street, Liverpool.
Jan. 1922	DOCKERILL, C. W.	2, Oxford Road, Bournemouth.
Jan. 1922	DOD, HERBERT CHARLES WILLIAM	14, Elgin Road, Alexandra Park, N. 22 (Middlesex).
Jan. 1922	DODGE, H. W.	120, High Street, Brentford.
Oct. 1917	*DOLAMORE, FREDERICK PERCY..	Borough Surveyor, Municipal Offices, Bournemouth.
Apr. 1884	DOLL, CHARLES FITZROY, F.R.I.B.A.	5, Southampton St., Bloomsbury, W.C.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2217	Nov. 1891	DOLLAR, PETER, A.R.I.B.A. . .	Craig's Court House, Charing Cross, S.
1415	A. Dec. 1887 F. Dec. 1891	*\$DONE, JOHN JAMES . . .	Cricklewood, N.W. (Middlesex).
2218	Nov. 1891	DORNING, ARTHUR HARRY . .	Holmleigh, Bowdon, Cheshire.
5332	Feb. 1908	DOUGLAS, ARTHUR HUGH . .	Cortworth House, Wentworth, Rotham, Yorks.
6138	Oct. 1911	*DOUGLAS, JAMES WIGHTMAN, MAJOR, D.S.O. . . .	Ministry of Health, Whitehall, S.W.
5916	A. Oct. 1910 F. Dec. 1921	*DOUGLAS, NORMAN . . .	123, Oxford Road, Linthorpe, Middlesbrough.
493	Jan. 1878	DOWNING, FREDERICK . . .	The Hollies, Upper Tooting Park, S.W. 17.
1997	Mar. 1891	DOWNING, HENRY PHILIP BURKE, F.R.I.B.A., F.S.A.	12, Little College Street, Westminster Abbey, S.W., and Avalon, Wiltshire Road, Merton, S.W. (Surrey).
3983	A. Oct. 1902 F. Apr. 1921	*DRAKE, FRANK ARTHUR . .	39, Alfred Place West, South Kensington, S.W.
1336	A. Dec. 1886 F. Nov. 1888	*DREW, HENRY ALBAN . . .	24, East Southernhay, Exeter.
1095	A. Feb. 1884 F. Jan. 1889	DREW, JOHN GOULD, B.A. (Oxon)	24, East Southernhay, Exeter.
5659	A. Oct. 1909 F. June 1912	*DREW, STANLEY THOMAS . .	2, Great Winchester Street, E.C.
2220	Nov. 1891	DREWEATT, THOMAS . . .	Newbury, Berkshire.
1934	A. Oct. 1902 F. Nov. 1903	*DRIVER, ARTHUR CHARLES . .	7, Charles Street, St. James' Square, S.W.
8099	Oct. 1920	DRON, ROBERT WILSON . .	11, West Regent Street, Glasgow.
7673	Nov. 1916	*DROVER, WILLIAM HENRY . .	36, Thornbury Avenue, Southampton.
3935	A. Oct. 1902 F. Jan. 1910	*DROWER, EDMUND GILBERT . .	28, Victoria Street, S.W.
4845	Feb. 1906	DROWER, JOHN EDMUND, C.B.E.	28, Victoria Street, S.W.
5845	Oct. 1910	*DRUMMOND, BERTRAM, A.R.I.B.A.	54, Alfred Terrace, Fleetwood, Lanc.
7642	Nov. 1916	DRUMMOND, FRANCIS DUDLEY W., COL.	Carmarthen.
3986	A. Oct. 1902 F. Jan. 1906	*||†\$DUCHESNE, MARTIN COLLIER	Farnham Common, Slough, Bucks.
4667	A. Oct. 1905 F. Apr. 1913	*DUCKWORTH, WALTER EDMUND	The Mart, Bridgwater, Somerset.
1692	A. Jan. 1890 F. Dec. 1893	*DUDLEY, EDGAR.	Copesham Rise, Oakshott, Surrey.
5660	A. Oct. 1909 F. July 1921	*DUKE, AUGUSTUS BARNABY CYRIL	West End House, Martinstown, near Dorchester.
1802	May 1890	DUKE, EDWARD	Dorchester.
2221	Nov. 1891	DUNCAN, JAMES MORISON . .	40 and 42, Queen Victoria Street, E.
3536	A. Oct. 1899 F. Oct. 1900	*DUNLOP, DUGDALE OAKELEY . .	28, Brazennose Street, Manchester.
6485	Oct. 1912	*DUNN, EDWARD JONATHAN . .	Valuation Office, Midland Bank Chambers, Albert Road, Middlesbrough.
1931	Jan. 1891	DUNN, SIR WILLIAM HENRY, BART.	36-37, Great St. Helen's, E.C.3.
4943	A. Oct. 1906 F. Jan. 1909	*†DUNSMORE, GILBERT	1, Garthorne Road, Honor Oak Park, S.E.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1905 F. Oct. 1907 Feb. 1897	*DURBRIDGE, ERNEST DURLACHER, ALEXANDER PERCY, M.I.C.E.	18, Thayer Street, W.1. 15, New Bridge Street, Blackfriars, E.C.
Nov. 1891	DYBALL, HARVEY	108A, Cannon Street, E.C.4.
A. Oct. 1898 F. June 1904	*DYER, FREDERICK BURFIELD ..	23, Gloucester Place, Brighton.
Jan. 1922	DYER, HENRY JOHN	2, Victoria Crescent, Southsea, Hants.
Apr. 1882	DYER, WILLIAM JOHN	17, Montpelier Row, Blackheath, S.E.3.
Nov. 1916	DYKE, BERNARD FRANK	H.M. Dockyard, Malta.
A. Oct. 1910 F. Dec. 1921	*DYER, WILLIAM FANSTONE ..	17, Montpelier Row, Blackheath, S.E., and 30, Budge Row, Cannon St., E.C.
A. Oct. 1906 F. Dec. 1911	*DYKINS, PHILIP LLEWELLYN ..	Pendre, Holywell, Flintshire.
A. Oct. 1910 F. Nov. 1912	*EACHUS, CHARLES ALFRED EEDES	Valuation Office, Lincoln's Inn Fields, W.C.2.
A. Oct. 1909 F. Dec. 1921	*EAMER, ALFRED STANLEY ..	Messrs. Douglas Young & Co., 5, Coleman Street, E.C.3.
A. Oct. 1908 F. Dec. 1919	*EAMES, HENRY PARSLOE ..	Pencraig, Caeran Crescent, Newport, Mon.
A. Oct. 1900 F. Jan. 1908	*EARLE, JOHN WILFRID ..	6, Quality Court, Chancery Lane, W.C.2.
Nov. 1891	EARLE, THOMAS ALGERNON, LT.-COL.	90, King Street, Manchester.
A. Oct. 1893 F. Feb. 1897	*EASON, EDWARD WILLIAM ..	192, Bishopsgate, E.C.
A. Oct. 1896 F. June 1900	*EASTER, WILLIAM	Wiggenhall St. German, King's Lynn, Norfolk.
A. Oct. 1911 F. Dec. 1920	*EASTMAN, EDWARD GEORGE, CAPT., O.B.E.	The Municipality, Colombo, Ceylon.
Nov. 1918	ECKERSLEY, FRANK, O.B.E. ..	9, Kenilworth Avenue, Harrogate, Yorkshire.
Oct. 1908	*EDGE, FREDERIC JAMES, M.I.C.E.	38, Blakett Street, Newcastle-on-Tyne.
Sep. 1895	EDGEWORTH, THOS. NEWCOMEN	Cherbury, Booterstown, Co. Dublin.
A. Oct. 1893 F. Jan. 1896	*EDMONDS, JOHN	Estate Office, Powis Castle, Welshpool, Mont.
Oct. 1910	*EDMONDS, JOHN NITCHELL ..	Wood Farm, Malvern Wells, Worcester- shire, and Worcester Chambers, Pier- point Street, Worcester.
Oct. 1920	*EDWARDS, DAVID	Guildhall, Bath.
Oct. 1917	*EDWARDS, RICHARD	Cefnymaes, Oswestry, Salop.
A. Oct. 1910 F. Oct. 1913	EDWARDS, SIDNEY ALBERT ..	6, Ely Place, Dublin.
Dec. 1881	EGERTON, HUBERT DECIMUS ..	11, Little College Street, S.W.1.
Jan. 1922	EGERTON, WILLIAM	12, Queen's Road, Erith, Kent.
Dec. 1883	EGGAR, JAMES ALFRED	74, Castle Street, Farnham, Surrey.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2949	A. Oct. 1895 F. Nov. 1896	*EGGINTON, DENYS	150, Friar Street, Reading.
7758	Nov. 1918	*EGINTON, ARTHUR THOMAS ..	County Offices, Preston, Lancs.
4583	A. Feb. 1905 F. June 1919	*EILOART, FERDINAND ROBERT ..	40, Chancery Lane, W.C.
530	A. Jan. 1879 F. Dec. 1883	EILOART, FREDERICK EDWARD ..	40, Chancery Lane, W.C.
2227	Nov. 1891	ELFORD, JOHN	Eastlea, Wimborne Road, Poole, Dorset.
3987	A. Oct. 1902 F. Oct. 1920	*ELGAR, CHARLES JOHN	Crockshard, Wingham, near Dover Kent.
1886	A. Nov. 1890 F. Feb. 1892	ELGOOD, FRANK MINSHULL, O.B.E., F.R.I.B.A.	98, Wimpole Street, W.
7568	Oct. 1915	*ELIAS, CHARLES FREDERICK ..	3, Cook Street, Liverpool.
1401	Dec. 1887	ELLEN, FREDERICK CHARLES ..	The Auction Mart, Andover, Hants.
2514	A. Nov. 1892 F. Mar. 1896	*ELLIS, ALBERT EDWARD	Bedford Chambers, Exeter.
3223	A. Oct. 1897 F. Nov. 1901	*ELLIS, ALFRED CAVE	57, Chancery Lane, W.C.
3373	A. Oct. 1898 F. Jan. 1902	*ELLIS, ARNOLD ROBERTSON ..	39, Kimbolton Road, Bedford.
2785	Sep. 1895	ELLIS, ERNEST FRANCIS LESLIE	St. Austin's, Inch, Co. Wexford.
1887	A. Nov. 1890 F. May 1894	*ELLIS, FRANCIS	Bast House, Walmersley, Lancashire.
2065	May 1891	ELLIS, FREDERICK	141, Inverness Terrace, Hyde Park, W.
5153	A. Oct. 1907 F. Dec. 1921	*ELLIS, GEORGE EDWARD	"Penkridge," Chesham, Bucks.
1530	A. Dec. 1888 F. May 1890	*ELLIS, HERBERT MOATES, CAPT., M.C.	Butterhill House, Dorking.
1365	A. Jan. 1887 F. Feb. 1891	*ELLIS, RALPH STAPLES	29, Fleet Street, E.C.
885	Feb. 1883	ELLIS, RICHARD ADAM	45, Fenchurch Street, E.C.
3091	A. Oct. 1896 F. June 1904	*ELPHICK, GEORGE PELHAM ..	Valuation Office, Inland Revenue, 2 Upper Northgate Street, Chester.
5444	A. Oct. 1908 F. June 1915	*ELSWORTHY, JOHN GORDON ..	17, Ardilaun Road, Highbury, N.
6231	A. Oct. 1911 F. Oct. 1913	*ELTON, PERCIE ION, A.R.I.B.A.	District Surveyor, 85, High Street, Wandsworth, S.W.18.
667	A. Dec. 1881 F. Dec. 1890	ELWELL, WILLIAM HENRY	3, Abingdon Gardens, Kensington, S.
7490	Oct. 1914	EMBLETON, HENRY CAWOOD ..	Central Bank Chambers, Leeds.
4674	A. Oct. 1905 F. Sep. 1919	*EMERY, DOUGLAS WADE	District Valuer's Office, 39, Kimbolton Road, Bedford.
8396	Oct. 1921	*ENDICOTT, ALBERT	Room 5 G.G., Directorate of Lands, H.M.O.W., Storey's Gate, S.W.1.
8774	Jan. 1922	ENGLAND, HARRY	64, Victoria Street, Westminster S.W.1.
5155	A. Oct. 1907 F. Jan. 1912	*ENTWISTLE, CHARLES CAR- RUTHERS	10, Norfolk Street, Manchester.
6232	A. Oct. 1911 F. Oct. 1920	*ENTWISTLE, JOSEPH	Greenmount, Milner Road, Ansd Lytham, Lancs.
8775	Jan. 1922	EVANS, ALFRED RICHARD	11, Gray's Inn Place, Gray's Inn W.C.1.

Date of Election and of Transfer.	FELLOWS-	Address.
Nov. 1891	EVANS, ARTHUR OWEN	Dale Fort, Dale, Milford Haven, Pembrokeshire.
A. Oct. 1905 F. Dec. 1912	*EVANS, BERTIE GRAHAM	Dalmaur House, Gresham Road, Oxted, Surrey.
Oct. 1913	*EVANS, DAVID	Valuer's Office, 10 & 12, Market Street, Carnarvon.
A. Feb. 1909 F. Mar. 1920	*EVANS, EDWARD ARTHUR, B.SC., A.M.I.C.E.	County Surveyor's Office, Welshpool, Montgomeryshire.
A. Oct. 1905 F. Dec. 1912	*EVANS, EDWIN DUDLEY	253, Lavender Hill, Clapham Junction, S.W.11.
A. Oct. 1895 F. Nov. 1909	*EVANS, ERNEST SYDNEY	District Valuer (Bucks), Amersham Hill, High Wycombe, Bucks.
A. Feb. 1911 F. July 1918	*EVANS, MONTAGU, CAPT., M.C. ..	52, James Street, Oxford Street, W.
Oct. 1909	*EVANS, SAMUEL	Divisional Roads Engineer, Ministry of Transport, 18, Dumfries Place, Cardiff.
Nov. 1891	EVANS, WILLIAM, A.M.I.C.E. ..	New Walk, Beverley, Yorkshire.
A. Feb. 1874	EVANS, WILLIAM ERNEST ..	School Gardens, Shrewsbury.
F. Nov. 1876	*EVE, CHARLES GERALD	Lonsdale Chambers, 27, Chancery Lane, W.C.2.
A. Oct. 1894 F. Feb. 1901	*EVE, SIR HERBERT TRISTRAM, K.B.E.	2, St. Paul's Square, Bedford, and 2 & 3, The Sanctuary, Westminster, S.W. 1.
Oct. 1899	*EVE, WILLIAM HAROLD	10, Union Court, E.C.
A. Oct. 1894 F. Nov. 1900	*EVERINGTON, JOHN	Forster Estate Office, 31, Bromley Road, Catford, S.E.
A. Oct. 1901 F. May 1905	*EVERY-CLAYTON, REGINALD ARTHUR ERIC	County Land Agent, 2, Gold Tops, Newport, Mon.
A. Oct. 1894	*EVES, FRANCIS GEORGE BERTRAM	54, High Street, Uxbridge, Middlesex.
F. Nov. 1895	*EVES, WILLIAM LIONEL	54, High Street, Uxbridge, Middlesex.
A. Jan. 1889	*EWING, GUY BEAUMONT	Cole Allen, Edenbridge, Kent.
F. Nov. 1892	*EYLES, CHARLES HENRY	Ministry of Health, Whitehall, S.W.1.
Oct. 1901		
A. Oct. 1904 F. June 1912		
A. Oct. 1894 F. Sep. 1904	*FAGG, EDWIN WILLIAM	92, High Street, Notting Hill Gate, W. 11.
Oct. 1920	*FAGG, WILLIAM COURTNEY ..	37, Walbrook, E.C.
A. Oct. 1896 F. Nov. 1901	*FAIR, ARTHUR EDWARD	Estate Office, Haigh Hall, Wigan, Lancashire.
Dec. 1888	FAIR, JAMES STRETTON	Estate Offices, Lytham, Lancashire.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4163	A. Oct. 1903 F. June 1906	*FAIRCHILD, EDWARD JAMES ..	10, St. John's Street, Adelphi, W.C.
1937	Jan. 1891	FAIRCLOUGH, WILLIAM ..	The Gables, Leigh, Lancashire.
5445	A. Oct. 1908 F. Oct. 1911	*FAIRMINER, WILLIAM JAMES ..	Ye Homestead, 40, Hallswelle Road, Golder's Green, N.W. (Middlesex)
1758	Mar. 1890	FALCON, MICHAEL ..	Horstead House, Norwich.
8776	Jan. 1922	FARLEY, GEORGE HENRY ..	48, Dornoch Avenue, Sherwood, Nottingham.
2951	A. Oct. 1895 F. Oct. 1899	*FARMER, HUGH CECIL ..	5, Great College Street, Westminster Abbey, S.W.
2234	Nov. 1891	FARNAN, HENRY RICHARD ..	41, Finsbury Pavement, E.C.
3225	A. Oct. 1897 F. July 1905	*FARNHAM, WILLIAM AUGUSTUS ..	The Council Offices, Sidcup U.D.C. Sidcup, Kent.
2787	Sep. 1895	FARRELL, EDWARD FRANCIS, LT.-COLONEL ..	Walterstown, Moynalty, Kells, Co. Meath
4947	A. Oct. 1906 F. Nov. 1907	*FARRER, FREDERICK ROBERT ..	2, Coleman Street, E.C.
5157	A. Oct. 1907 F. Oct. 1918	*FARRER, JOHN CAMPLIN ..	13, Handel Mansions, Handel Street, W.C.1.
8777	Jan. 1922	FARROW, E. BERTRAM ..	171, Exploration Buildings, Commissioner Street, Johannesburg
8778	Jan. 1922	FARTHING, WILLIAM WALTER ..	c/o Headquarters, Royal Air Force, Middle East Area, Cairo, Egypt
7744	Nov. 1918	FAULDS, WILLIAM CLARK ..	133, Great Hamilton Street, Glasgow
8779	Jan. 1922	FAUX, CHARLES JAMES ..	22, Essex Street, Strand, W.C.2.
5923	A. Oct. 1910 F. July 1916	*FAYERMAN, ALEC GEORGE PERCY, MAJOR	57, The Parade, Leamington, Warwickshire.
4680	A. Oct. 1905 F. Feb. 1919	*FELTHAM, ARTHUR WILLIAM ..	12, St. Michael's Road, Maidstone.
4341	Oct. 1904	*FENTON, ADAM DOUGLAS ..	Maristow Estate Office, Roborough, Devon.
5924	A. Oct. 1910 F. Apr. 1920	*FENTUM, CHARLES ALFRED ..	Valuation Office, 6, Ely Place, Dublin
7557	Oct. 1915	FENWICK, CHARLES RICHARD, M.I.C.E. ..	26, Park Row, Leeds.
8780	Jan. 1922	FERGUSON, ACHESON ..	2, Wellington Place, Belfast.
6486	Oct. 1912	*FERGUSON, JAMES; MAJOR	H.Q. Irish Command, Parkgate, Dublin
974	Nov. 1883	FERRIS, GEORGE ..	Milton Manor, Pewsey, Wilts.
8781	Jan. 1922	FEW, HARRY EDWARD ..	21, Elspeth Road, Lavender Hill, S.W.11.
831	Dec. 1882	FIDDIAN, WILLIAM ..	7, Church Street, Stourbridge, Worcestershire.
8783	Jan. 1922	FIDGEN, W. F. ..	27, Chancery Lane, W.C.2.
3374	A. Oct. 1898 F. July 1907	*FIELD, CHARLES ROLAND ..	54, Borough High Street, S.E.
297	Jan. 1873	FIELD, FRANCIS HAYWARD ..	11, King Edward Street, Oxford.
7739	Nov. 1918	FIELDER, CHARLES LAVINGTON ..	Lands Branch, Civil Engineer in Charge, Dept., Admiralty, S.W.1.
2517	A. Nov. 1892 F. May 1896	*FINN, FRED ..	St. Bartholomew's, Sandwich, Kent

Date of Election and of Transfer.	FELLOWS.	Address.
A. Nov. 1891 F. Oct. 1894	*FINN, HERBERT ARCHIBALD ..	16, St. Mark's Hill, Surbiton, Surrey.
A. Oct. 1912 F. Oct. 1913	*FINN-KELCEY, HUBERT FRANCIS	Estate Office, Lyminge, Folkestone, Kent.
A. Oct. 1908 F. Dec 1910	*FIRTH, HARRISS	Valuation Department, 25, Winckley Square, Preston.
A. Apr. 1883 F. Jan. 1889	FISHER, CHARLES BROWNING, C.B.E.	Market Harborough, Leicestershire.
Oct. 1911	*FISHER, GATHORNE JOHN ..	Briarlea, Penygam, Pontypool, Monmouthshire.
A. Oct. 1905 F. June 1906	*FISHER, THOMAS GEORGE ..	Valuation Office, Inland Revenue, 174, Soho Hill, Birmingham.
A. Oct. 1904 F. Apr. 1920	*FITCH, SIDNEY	25, Priory Road, High Wycombe, Bucks.
A. Oct. 1893 F. Mar. 1896	*FITT, HARRY CHARLES .. .	21, Craven Avenue, Ealing, W. (Middlesex).
Sep. 1895 Oct. 1921	FITZGERALD, PETER DAVID .. FITZHERBERT, ARNOLD VESEY, CAPTAIN, M.C.	Estate Office, Adare, Co. Limerick. Waterloo Cottage, Cahir, Co. Tipperary.
Nov. 1916	FITZHERBERT, BERTRAM RICHARD EDWARD	Emo Park, Portarlinton.
A. Oct. 1903 F. Apr. 1914	*FLATT, JOHN ALEXANDER ..	Valuation and Rating Department, Guildhall, E.C.
Oct. 1899	*FLETCHER, SIR BANISTER FLIGHT, F.R.I.B.A.	1, King's Bench Walk, E.C.
A. Oct. 1903 F. Apr. 1911 Jan. 1922	*FLEURET, ALFRED HARMAN .. FLEW, JOHN	22, Bloomsbury Square, W.C. Tyrell Street Chambers, 55, Tyrell Street, Bradford.
A. Oct. 1908 F. June 1914	*FLINT, WILLIAM FIELDER ..	Eastnor, Cassiobury Park Avenue, Watford, Herts.
A. Feb. 1882 F. June 1891	FLINT, WILLIAM HURST .. .	11, Searle St., Lincoln's Inn Fields W.C.
A. Oct. 1910 F. Feb. 1919	*FLOYD, ARTHUR NOEL .. .	Messrs. Dixon & Floyd, 83, Colmore Row, Birmingham.
A. Nov. 1918 F. July 1919	*FOOT, HAROLD JOHN	15, Barn Hill, Stamford, Lincs.
A. Oct. 1912 F. Apr. 1919 Sep. 1895	*FOOT, WILLOUGHBY VICTOR .. FORBES, ARTHUR	43, London Road, Ipswich. Earls Vale, Cavan, Ireland.
May 1891	FORBES, CHARLES MANSFELDT..	14, New Street, York.
Oct. 1914	*FORD, ANDREW	7, Gildredge Road, Eastbourne, Sussex.
Jan. 1922	FORD, CHARLES JOHN	4, Mitre Court, Fleet Street, E.C.
Nov. 1891	FORD, LAWTON ROBERT .. .	32, Orchard Street, Oxford Street, W.I.
A. Oct. 1906 F. Feb. 1918	*FORD, RICHARD DICKINS LANCELOT	155, Old Kent Road, S.E.
Oct. 1914	FORESTIER - WALKER, CHARLES EVELYN	31, Charles Street, Cardiff.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5096	Oct. 1907	*FORSHAW, WILLIAM	Valuation Office, Howard Place, Hanley, Staffordshire.
7549	Feb. 1915	FORSTER, THOMAS EMERSON ..	3, Eldon Square, Newcastle-on-Tyne
3045	A. June 1896 F. Dec. 1919	*FOSTER, EDWARD CHARLES ..	54, Pall Mall, S.W.
3375	A. Oct. 1898 F. Dec. 1914	*FOSTER, HENRY HELM	Bank Chambers, 169, Balham Hi Road, S.W.12.
5668	A. Oct. 1909 F. Apr. 1919	*§FOSTER, HENRY OSWALD	Valuation Office, Lincoln's Inn Fiel W.C.2.
2519	A. Nov. 1892 F. Nov. 1895	*FOSTER, JAMES HERBERT FUR- MEDGE	The Rolle Estate Office, Exmou. Devon.
3829	A. Oct. 1901 F. Oct. 1915	*FOSTER, WILLIAM ARTHUR, A.M.I.C.E.	The Butts, Rochdale, Lancs.
5450	A. Oct. 1901 F. Nov. 1912	*FOSTER, WILLIAM FREDERICK ..	268, Tottenham Court Road, W.
3538	A. Oct. 1899 F. Dec. 1904	*FOWLER, ALFRED CHARLES STANLEY	15, Coleman Street, E.C.2.
3990	A. Oct. 1902 F. Apr. 1913	*FOWLER, CYRIL JAMES	67, Elms Road, S.W.4.
6468	Oct. 1912	FOWLER, GEORGE H.	Estate Office, Kells.
1806	May 1890	FOWLER, GERARD EDMUND ..	Colmore House, 21, Waterloo Stre Birmingham.
1780	Apr. 1890	FOWLER, REGINALD WILLIAM ..	3, Hartshead, Sheffield.
1403	Dec. 1887	FOWLER, RICHARD	118, Colmore Row, Birmingham.
2240	Nov. 1891	FOWLER, WILLIAM	69, Temple Row, Birmingham.
2732	A. Mar. 1895 F. June 1911	*FOX, CHARLES EDWARD	7, Rawson Street, Halifax, Yorkshi
7823	A. Nov. 1918 F. Apr. 1920	*FOX, CHARLES HORACE, LT.- COL., O.B.E., B.S.C., A.M.I.C.E.	7, Rawson Street, Halifax, Yorks
2241	Nov. 1891	FOX, CHARLES JAMES	7, Rawson Street, Halifax, Yorkshi
1545	Nov. 1890	FOX, EDWIN	Ballard's Lodge, North Finchley, N (Middlesex).
3680	A. Oct. 1900 F. Dec. 1902	*FOX, ERNEST	44-50, Old Christchurch Road, Bo mouth, Hampshire.
2669	A. Oct. 1894 F. Oct. 1899	*FOX, FREDERICK RUSSELL ..	Grove Hill, Barnstaple, Devon.
4422	A. Oct. 1904 F. Nov. 1909	*FOX, SIDNEY JOSEPH	Finsbury Court, Finsbury Pavemen
3681	A. Oct. 1900 F. Jan. 1904	*FOX, WILLIAM	44 to 50, Old Christchurch Ro Bournemouth, Hampshire.
1545	Jan. 1889	FRANCIS, GEORGE FUTVOYE ..	20, Thurleigh Road, S.W.12.
3881	A. Oct. 1901 F. June 1906	*FRANCIS, JOHN, MAJOR, D.S.O. ..	The Mount, Carmarthen.
1760	Mar. 1890	FRANCIS, LEON ALBERT	Vernon House, Sicilian Avenue Bloomsbury Square, W.C.1.
8785	Jan. 1922	FRANCIS, LEON ALFRED JOHN ..	Vernon House, Sicilian Avenue Bloomsbury Square, W.C.1.
6242	A. Oct. 1911 F. Apr. 1919	*FRANCIS, REGINALD HERBERT ..	Vernon House, Sicilian Avenue Bloomsbury Square, W.C.1.
3931	A. Feb. 1902 F. Mar. 1920	*FRANCIS, RONALD GARNHAM	6, Blinco Grove, Cambridge.

Date of Election and of Transfer.	FELLOWS.	Address.
Oct. 1911	FRANK, SIR HOWARD, BT., K.C.B.	Caxton House West, S.W.1.
A. Oct. 1906	*FRANK, THOMAS PEIRSON,	Borough Engineer and Surveyor, Municipal Buildings, Plymouth.
F. July 1913	A.M.I.C.E.	25, Ludgate Hill, E.C.
May 1890	FRANKLIN, ARTHUR THOMAS ..	33, King Street, Luton, Beds.
A. Nov. 1891	*FRANKLIN, BENJAMIN BELGROVE	Woodbrook, Mountrath, Queen's County.
F. Feb. 1895	FRANKS, HARRY (<i>Member of Council</i>)	Westfield, Mountrath, Queen's County.
Sep. 1895	FRANKS, MATTHEW HENRY ..	7, Glencairn Crescent, Edinburgh.
Feb. 1908	FRASER, GEORGE JOHN JAMES HAMILTON GORDON	209, St. Vincent Street, Glasgow.
A. Jan. 1891	*FRASER, WILLIAM	4 and 5, Charles Street, St. James' Square, S.W.1.
F. Dec. 1894	*FREEMAN, ARCHIBALD FRANCIS	Waterlake, Chiddingstone, Kent.
F. Dec. 1921	*FREEMAN, DUDLEY SEARLE ..	Tunbridge Wells, Kent, and 28, Queen Street, Cheapside, E.C.
A. Oct. 1910	FREEMAN, SYDNEY	Cranbrook, Woodside Road, New Malden, Surrey.
F. Oct. 1920	*FREMANTLE, PERCY WARWICK ..	50, Prince's Avenue, Church End, Finchley, N. (Middlesex).
A. Feb. 1884	*FRENCH, CECIL GEORGE. MAJOR	Crinkle House, Birr, King's County.
F. Apr. 1890	FRIEND, HENRY	45, Hope Street, Glasgow.
A. Oct. 1912	FREW, DAVID LANDALE	216, West George Street, Glasgow.
F. Nov. 1914	*FREW, GORDON THOMSON	8, Gray's Inn Square, W.C.1.
A. Oct. 1902	*FREYBERG, HERBERT, M.S.A. ..	6, Sirdar's Palace, Hummum Street, Fort Bombay.
F. Apr. 1911	FRITCHLEY, EDWIN WOLLASTON	1, St. Stephen's Chambers, Baldwin Street, Bristol.
Sep. 1895	FROUD, MAYNARD	64, Craven Park, Willesden, N.W. (Middlesex).
Nov. 1916	*FRY, JOSEPH HARRY	Prudential Chambers, Victoria Street, Grimsby, Lincs.
Oct. 1910	*FULLER, ERNEST BENJAMIN ..	The College, All Saints', Derby.
Oct. 1908	FULLER, THOMAS ALFRED ..	14, Finkle Street, Kendal.
Feb. 1902	*FULLER, EDWIN ALEXANDER, B.SC. (<i>Edin.</i>)	5, Guildford Street, W.C.
Jan. 1922	*FUNNELL, HORACE DENSTON ..	Estate Office, Culford, Bury St. Edmund's.
Oct. 1898	*FURMEDGE, JOHN HARRIS ..	Effingham House, Arundel St., Strand, W.C., and Albany House, Avenue Road, St. Neots, Huntingdonshire.
A. Oct. 1913	GAIRDNER, EDWARD JAMES ..	15, New Bridge Street, E.C.
F. July 1920	GALE, ERNEST SEWELL	
A. Mar. 1884		
F. Apr. 1891		
Oct. 1910		
A. Oct. 1895		
F. Sep. 1905		
A. Oct. 1897		
F. Jan. 1901		

† Special Sanitary Science Diploma.

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4424	A. Oct. 1904 F. Mar. 1920	*GALE, HAROLD JAMES	Market Place, Wallingford, Berks.
3683	A. Oct. 1900 F. Nov. 1901	*GALE, HARRY	High Street, Egham, Surrey.
761	Feb. 1882	GALE, JOSEPH JOHN	Market Place, Wallingford, Berks.
7492	Oct. 1914	GALLETLY, WILLIAM HALDANE ..	3, Castle Road, Sandal, Wakefield.
1713	Feb. 1890	GAMBLE, SIDNEY GOMPERTZ, A.M.I.C.E.	16, Queen Anne's Gardens, Bedford Park, W.4. (Middlesex).
3377	A. Oct. 1898 F. Nov. 1899	*GARDINER, ROBERT STRACHAN ..	16, Crane's Drive, Surbiton, Surrey.
2620	A. Nov. 1892 F. Mar. 1895	*GARDNER, GILBERT	Crawley, Sussex.
8787	Jan. 1922	GARLAND, HUGH CORNWALL ..	260, Oxford Road, Manchester.
4691	A. Oct. 1905 F. Apr. 1916	*GARNHAM, EDWIN ALFRED VICKERY	The Elms, Pinner Road, Pinner, Middlesex.
1889	A. Nov. 1890 F. Oct. 1907	*GARRARD, ARTHUR NORMAN (Hon. Secretary)	4 and 5, Charles Street, St. James Square, S.W.
2246	Nov. 1891	GARRARD, NORTON BURROUGHS	Hoxne, near Diss (Suffolk).
8104	Oct. 1920	GARRIOCH, JOHN T.	Croyard, Beaulieu, Inverness.
2247	Nov. 1891	GARROOD, THOMAS WILLIAM M.	324 & 326, Regent Street, W., and Badgers Mount, Knockholt, Kent.
7661	Feb. 1915	GARTON, WALTER T.	c/o Campbell & Son, 17, Mawdsley Street, Bolton.
5595	Oct. 1909	GARVEY, GEORGE BLOOMFIELD, M.E.	21, Lincoln Place, Dublin.
2800	Sep. 1895	GARVEY, TOLER ROBERT	Estate Office, Birr.
1810	May 1890	GATE, ALFRED JOSEPH	35A, Mecklenburgh Square, W.C.
3540	A. Oct. 1899 F. July 1901	*GATE, HENRY ARTHUR ARMYTAGE	35A, Mecklenburgh Square, W.C.
688	Jan. 1882	GATER, CALEB WILLIAM	The Grange, Winterbourne Dauntsey, Salisbury.
4955	A. Oct. 1906 F. Apl. 1915	*GAWITH, HARRISON	City Surveyor's Office, Town Hall, Manchester.
8788	Jan. 1922	GAYTON, HAROLD	Public Works Dept., Coomassie, Gold Coast, West Africa.
7516	Oct. 1914	GEDDES, CHARLES DAVID	21, Young Street, Edinburgh.
7002	Oct. 1913	*GEEN, WALTER, M.A. (Cantab.) ..	57, Waterloo Road, S.E.
2248	Nov. 1891	GELDER, SIR WILLIAM ALFRED, F.R.I.B.A.	120, Alfred Gelder Street, Hull.
7649	Nov. 1916	GEMMELL, JOHN	10, St. Andrew Square, Edinburgh.
3541	A. Oct. 1899 F. May 1905	*GENGE, WILLIAM POPE, JUN. ..	c/o Messrs. Rumball & Edwards, St. Alban's, Herts.
2521	A. Nov. 1892 F. Nov. 1895	*GERMAN, GEORGE	Rawdon Terrace, Ashby-de-la-Zouch.
7493	Oct. 1914	GERMAN, GEORGE JOSEPH	Ashby-de-la-Zouch.
2070	May 1891	GERMAN, HARRY	Estate Office, Newstead Abbey, Linby, Notts.
887	Feb. 1883	GERMAN, JOHN	Ashby-de-la-Zouch, Leicestershire.
8382	Oct. 1921	GETHIN, RANDOLPH GEORGE, MAJOR, M.B.E.	Estate Office, 17, Beresford Street, Waterford.

Date of Election and of Transfer.	FELLOWS.	Address
A. Jan. 1886 F. Nov. 1890 A. Oct. 1905 F. June 1912	*GIBBON, WM. JACOMB, A.R.I.B.A. *GIBSON, ALEXANDER WILLIAM	Wootton Heath, New Milton, Hants. 17, Onslow Gardens, Wallington, Surrey.
A. Dec. 1889 F. May 1893 A. Oct. 1908 F. Apr. 1919 Jan. 1922	*GIDDY, OSMAN HORTON *GIFFORD, EGMONT AUGUSTUS .. GILBERT, F. MYLES	11A, Regent Street, Waterloo Place, S.W. 107, Victoria Street, S.W. 137, Rock Avenue, Gillingham, Kent.
A. Oct. 1904 F. Jan. 1909 Feb. 1899 Oct. 1911	*GILBERT-LODGE, EDWARD MOR- TON GILCHRIST, JOHN	Villa v. Ville, Appollo Bunder, Bombay. 81, Hope Street, Glasgow.
A. Oct. 1913 F. Nov. 1916	*GILLER, CHARLES FREDERICK .. *GILLER, GEORGE SAMUEL, M.B.E.	4, Dean Stanley Street, S.W.1. District Valuer's Office, County Build- ings, College Court, Gloucester.
A. Oct. 1910 F. Oct. 1920	*GILLETT, EDWARD BAILEY ..	4 & 5, Charles Street, St. James' Square, S.W.1.
Mar. 1888	GILPIN-BROWN, WILLIAM DUNDAS	Wicksted, Blackdown, Leamington, Warwickshire.
A. Oct. 1901 F. May 1909	*GIMSON, ALLEN	16, Woodridings Avenue, Hatch End, Middlesex, and c/o District Valuer, 111/113, Great Portland Street, W.1
Oct. 1912 A. Oct. 1904 F. Jan. 1908	*GIRLING, ROBERT JAMES *GLASIER, EDWARD BROUGHAM..	Felix Chambers, Felixstowe, Suffolk. Grafton House, 12 and 13, Grafton Street, Piccadilly, W.
A. Feb. 1912 F. Dec. 1920 A. Oct. 1903 F. Dec. 1909 Jan. 1890	*GLEDHILL, SIDNEY VERITY .. *GLEED, PERCIVAL FRANCIS .. GLEED, RICHARD CUMMINGS ..	203, Borough High Street, S.E.1. 8 and 9, Martin's Lane, Cannon St., E.C. 8 and 9, Martin's Lane, Cannon St., E.C.
Oct. 1908 Sep. 1895	GLEN, JAMES GLOSTER, THOMAS EDWARD ..	Ashfield, Park Place, Stirling. Collon, Co. Louth.
A. Oct. 1894 F. June 1898	*GLOVER, HENRY ALEXANDER ..	18, Riggindale Road, Streatham, S.W.16.
Oct. 1905	GOADBY, FRANCIS HUBERT, A.M.I.C.E.	Works Department, H.M. Dockyard, Chatham, Kent.
A. Oct. 1896 F. Oct. 1900	*GOADBY, HOWARD	17, Crossington Road, Westcliff-on-Sea.
A. Oct. 1903 F. Apr. 1911 A. Oct. 1906 F. July 1921	*GODDING, FRANK HORATIO .. *GODFREY-PAYTON, WALTER ..	40, Hans Place, S.W. 2, Bridge End, Warwick.
A. Oct. 1897 F. Feb. 1900 Nov. 1916	*GOLDSMITH, DOUGLAS FLEET .. GOOD, THOMAS MORGAN ..	Lavant Street, Petersfield, Hants. 21, Lincoln Place, Dublin.
A. Oct. 1900 F. Nov. 1905	*GOODBODY, FREDK. ALLEN STURGE	11, Orchard Street, Bristol.
A. Oct. 1902 F. Oct. 1909 A. Oct. 1901 F. Nov. 1909	*GOODCHILD, RALPH HARRY .. *GOODCHILD, WALTER CHARLES..	57, London Street, Norwich. 79, Tonbourne Road, Upper Tooting, S.W.17.
Oct. 1906	GOODING, WILLIAM ALFRED ..	Arndilly, York Road, St. Albans, Hertfordshire.

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3343	A. Oct. 1899 F. Dec. 1904	*GOODMAN, ALFRED	35, Bucklersbury, E.C.
1546	Jan. 1889	GOODWYN, LEONARD WILLIAM ..	20, Portman Street, Portman Square,
3923	Feb. 1902	*GORDON, ALEXANDER	97, Queen Victoria Street, E.C.
5369	Oct. 1908	GORDON, ALEXANDER WILLIAM ROBERT	Queensgate, Inverness.
8109	Oct. 1920	GORMAN, JAMES	6, Ely Place, Dublin.
8114	Oct. 1920	*†GOSLING, JOHN HENRY CHARLES	Town Hall, Portsmouth.
8790	Jan. 1922	GOSS, HARRY CHARLES	2A, Fleet Street, Torquay.
2252	Nov. 1891	GOTT, CHARLES HENRY, M.I.C.E.	17, Piccadilly, Bradford, Yorkshi
5937	A. Oct. 1910 F. Nov. 1914	*GOTT, RALPH EDGAR	Valuation Office, Inland Revenue Lincoln's Inn Fields, W.C.2.
3153	A. Feb. 1897 F. May 1897	*GOULDING, ARTHUR	41, Moorgate Street, E.C.
4697	A. Oct. 1905 F. June 1914	*GOWING, CHARLES TOWLER ..	17, Prince of Wales Road, Norwich.
5938	A. Oct. 1910 F. July 1920	*GRACE, EDWARD NATHANIEL	Kendalls Building Estate Office, Ra lett, Herts.
4699	A. Oct. 1905 F. Oct. 1915	*†GRAHAM, HENRY CECIL	5, Great College Street, Westminst Abbey, S.W.
7172	A. Oct. 1913 F. Sept. 1917	*GRANT, HERBERT MITCHELL, CAPT.	"Bengarth," Blairgowrie, Perthshire
827	A. Dec. 1882 F. Jan. 1885	GRANT, JAMES	Glandwr, Llanidloes, Montgomeryshi
3229	A. Oct. 1897 F. Mar. 1909	*GRAY, HORACE NORMAN	334, Commercial Road, E.
5675	A. Oct. 1909 F. Oct. 1910	*GRAY, JOHN	Coningsby Place, Alloa, N.B.
5676	A. Oct. 1909 F. June 1914	*GRAY, JOHN VINCENT	1, Lewisham Hill, S.E.13.
7494	Oct. 1914	GREAVES, PERCY CHRISTIAN ..	Wakefield, Yorkshire.
7480	Oct. 1914	GREEN, ALBERT THOMAS	6, Ely Place, Dublin.
3096	A. Oct. 1896 F. July 1907	*GREEN, ARTHUR EDWARD	57, London Road, Southampton.
3141	A. May 1891 F. May 1897	*GREEN, EDMUND HORACE	
3584	A. Oct. 1893 F. May 1897	*§GREEN, FREDERICK ALGERNON ..	93, Cannon Street, E.C.
1012	A. Dec. 1883 F. Oct. 1913	GREEN, JAMES HENRY TOWNSEND	22, Chancery Lane, W.C.
3197	A. Oct. 1920 F. Apr. 1921	*GREEN, JOSEPH ALEXANDER ..	Manor Terrace, Eckington, near She field.
5677	A. Oct. 1909 F. Nov. 1912	*GREENAWAY, JOSEPH REGINALD	11, Friar Street, Reading.
5110	Oct. 1920	GREGG, JOSEPH C.	6, Ely Place, Dublin.
3150	Feb. 1897	GREGORY, ALFRED, COL., O.B.E.	Walden House, Beltinge Road, Her Bay.
8791	Jan. 1922	GREGORY, CHARLES WILLIAM ..	23, Clare Street, Bristol.
3955	A. Oct. 1895 F. June 1896	*GREGSON, GEORGE ERNEST ..	106, Lord Street, Southport.
5168	A. Oct. 1907 F. July 1919	*GREY, GEORGE WILLIS	P.W.D., Singapore, Malay States.
2678	A. Oct. 1894 F. May 1896	*GRIFFIN, ALFRED	47, South Street, Greenwich, S.E.

† Special Sanitary Science Diploma.

‡ Special Forestry Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
May 1891	GRIFFIN, HAROLD	54, High Street, Battersea, S.W., and 22, Water Lane, Great Tower Street, E.C.3.
A. Oct. 1909 F. Dec. 1920	*GRIFFIN, HAROLD, JUN. ..	54, High Street, Battersea, S.W., and 22, Water Lane, Great Tower Street, E.C.3.
A. Oct. 1909 F. Apr. 1920 Feb. 1890	*GRIFFITH, FRANK STANLEY .. GRIFFITHS, WILLIAM	17, Bedford Row, W.C.1. Gelley-Wernen Estate, Llanelly, Carmarthenshire.
Oct. 1914	GRIFFITHS, WILLIAM THOMAS ..	Uplands, Tygwyn Road, Penylan, Cardiff.
A. Oct. 1908 F. Oct. 1910	*GRIMWOOD, ARTHUR	Valuation Dept. I.R., 52, Bridge Street, Walsall, Staffs.
A. Oct. 1912 F. Dec. 1920	*GRIMWOOD, HERBERT GEORGE, CAPT.	e/o Consulting Architect, P.W.D., Government of Bombay, Bombay.
A. Oct. 1904 F. July 1921	*GRIPPER, JOHN BELL	28, Victoria Street, S.W.1.
A. Oct. 1898 F. Dec. 1901	*GRIPPER, JOSEPH EDWARD ..	Manor House Farm, Brampton, Huntingdon.
A. Oct. 1907 F. Oct. 1910	*GROVE, ALBERT	1, Parkfield Terrace, Stourbridge, Worcestershire.
A. Feb. 1890 F. Jan. 1893	*GROVER, ARTHUR	18, Charing Cross Road, W.C.
A. Oct. 1894 F. Jan. 1899	*GROVER, PHILIP GORDON	4, Abbotsford Terrace, Jesmond, Newcastle-on-Tyne.
A. Oct. 1902 F. Dec. 1909	*GROVES, ARNOLD TUDOR	125, High Holborn, W.C.
Oct. 1919	GUILD, JAMES LYON	71, George Street, Edinburgh.
Oct. 1904	GUINNESS, HOWARD RUNDELL ..	16, College Green, Dublin.
Oct. 1930	GUNSON, ERNEST	10, Marsden Street, Manchester.
A. Jan. 1889 F. May 1900	*GUNTER, JAMES	Estate Office, Glasbury, Radnorshire.
A. Oct. 1919 F. Oct. 1920	*GURNEY, FREDERICK GEORGE	20, Lewisham Road, Dartmouth Park, N.W.5.
A. Oct. 1911 F. July 1919	*HACKETT, WILLIAM JENNENS, M.B.E.	25, Coquet Terrace, N. Heaton, Newcastle-on-Tyne.
A. Oct. 1912 F. June 1914	*HADDEN, HARRY HAROLD ..	Public Trustee's Office, Lincoln's Inn Fields, W.C.
Jan. 1922	HADLAND, GILBERT HENRY ..	67, George Street, Portman Square, W.1.
A. Dec. 1899 F. Aug. 1893	*HADLEY, FRANK	Valuation Office, 8, Stafford Street, Derby.
A. Nov. 1892 F. Oct. 1896	*HAIGH, THOMAS FREDERICK ..	7, Friar Lane, Leicester.

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6263	A. Oct. 1911	*HAILEY, VICTOR	Arden House, Raisen Lane, Linc.
5684	F. July 1921		
	A. Oct. 1909	*HALE, HARRY BARNES	6, Queen Anne's Gate, Westminster S.W.1.
	F. June 1910		
2263	Nov. 1891	HALE, RAYMOND HENRY	6, Queen Anne's Gate, S.W.
1687	A. Oct. 1900	HALL, AUGUSTUS WILLIAM	General Valuation Office, 6, Ely Place, Dublin.
5818	F. Feb. 1910		
1179	A. May 1884	HALL, CHARLES PELL	Park Farm Office, Woburn, Beds.
	F. Oct. 1914		
4329	Oct. 1904	HALL, DAVID	69, South Mall, Cork.
619	May 1881	HALL, ERNEST	56, Commercial Road, Portsmouth
4703	A. Oct. 1905	*HALL, FRANCIS SAMUEL	8, Westmoreland Street, Dublin.
	F. Oct. 1910		
5098	A. Oct. 1896	*HALL, JOHN HERBERT	1, Cooper Street, Manchester, "Mill House," Mobberley, near Knutsford, Cheshire.
	F. June 1897		
3544	A. Oct. 1899	HALL, JOHN SEBASTIAN	General Valuation Office, 6, Ely Place, Dublin.
	F. Oct. 1912		
5947	A. Oct. 1910	*HALL, RODERICK GLENDINNING	84, Victoria Drive, Eastbourne.
	F. Dec. 1920		
4430	A. Oct. 1904	*HALL, VERNON MANNING	22, The Avenue, Bedford Park, (Middlesex).
	F. Nov. 1912		
8793	Jan. 1922	HALL, W. J.	28, Victoria Street, Westminster S.W.1.
1295	A. Jan. 1886	*SHALL, WILLIAM TIMOTHY	College Hill, Shrewsbury.
	F. June 1891		
1189	May 1884	HALLETT, WILLIAM BROWN	Streasley View, Goring-on-Thames, Oxon.
1619	A. Apr. 1889	*HALL-JONES, FREDERICK	Parliament Mansions, Victoria St., S.W.1. and 35, The Broadway, Ealing, (Middlesex).
	F. Dec. 1891		
6264	A. Oct. 1911	*HAMILL, JOHN, B.A.	7, Amersham Hill, High Wycombe, Bucks.
	F. July 1920		
6141	Oct. 1911	*HAMILTON, CHARLES	Laurieston, Falkirk, N.B.
2804	Sep. 1896	HAMILTON, EDWARD CHETWOOD, MAJOR	Woodstock Estate Offices, Inistigoil, Co. Kilkenny.
9105	Oct. 1920	HAMILTON, JAMES ALEXANDER FREDERICK HENRY, MAJOR	Headquarters, Scottish Command, Edinburgh.
5337	Feb. 1908	HAMILTON, JOHN COCHRANE	53, Hanover Street, Edinburgh.
6488	Oct. 1912	*HAMILTON, THOMAS WELSH	Mansion House, Greenock.
5172	A. Oct. 1907	*HAMLYN, ERIC HENLEY	5, Tavistock Road, Plymouth.
	F. July 1921		
5685	A. Oct. 1909	*HAMLYN, JOHN ARTHUR	43, Manville Road, Tooting Bec, S.W.
	F. June 1919		
5849	Oct. 1910	*HAMMOND, FREDERIC SNOWDEN	46, Milton Street, Fore Street, E.C.4.
2266	Nov. 1891	HANSON, JOHN HENRY, M.I.C.E. (Past-President)	11, Cloth Hall Street, Huddersfield, Yorkshire.
642	Dec. 1881	HARDCASTLE, FREDERICK HENRY APPLETON, A.R.I.B.A. (Member of Council)	197, Victoria Street, S.W.1.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1911 F. Mar. 1920	*HARDIE, EBENEZER ROBERT ..	9, Sunbury Avenue, Newcastle-on-Tyne.
A. Oct. 1904 F. June 1912	*HARDING, CHARLES REGINALD, MAJOR	Leigh Mount, Cobham, Surrey.
A. Oct. 1909 F. July 1920	*HARDY, ERNEST CARLISLE ..	5, Gainsborough Road, Bedford Park, W.4 (Middlesex).
Apr. 1888	HARDY, RICHARD THOMAS ASH ..	Land Agency and Estate Offices, Carter Street, Uttoxeter, Staffordshire.
Oct. 1920	*HARFIELD, ALFRED GEORGE	"Wellesley," Cavendish Avenue, Finchley, N.3 (Middlesex).
Oct. 1905	*HARGRAVE, WILLIAM HARRISON, A.M.I.C.E. (Ireland)	68, Grosvenor Square, Rathmines, Co. Dublin.
A. Oct. 1909 F. Oct. 1910	*HARKNESS, JOHN	Dryburgh, Racecourse Road, Ayr, N.B.
A. Oct. 1903 F. Oct. 1910	*HARLAND, HENRY CHAPMAN ..	28, Cranbourne Terrace, Stockton-on-Tees.
Mar. 1891	HARLE, JOHN JOSEPH	Tortworth Estate Office, Falfield, Gloucester.
A. Oct. 1907 F. Oct. 1913	*HARMER, ERNEST FREDERICK ..	20, Havelock Road, Southampton.
A. Feb. 1881 F. Oct. 1904	HARPER, SIR EDGAR JOSIAH ..	Valuation Office, Lincoln's Inn Fields, W.C.2.
Feb. 1906	HARRIS, ARNOLD ELSMERE ..	117, Colmore Row, Birmingham.
A. Oct. 1921 F. Jan. 1922	HARRIS, DOUGLAS	7, John Street, Adelphi, W.C.2.
A. Oct. 1905 F. Apr. 1913	*HARRIS, EDWARD CHARLES ..	39, Bloomsbury Square, W.C.
Jan. 1922	HARRIS, JOHN HENRY	Royal Liver Buildings, Liverpool.
A. Oct. 1912 F. Sept. 1917	*HARRISON, FRANK FOX	51, Lower Hall Lane, Walsall, Staffs.
Oct. 1903	*HARRISON, FREDERICK	4, Belgrave Square, Nottingham.
A. Oct. 1894 F. Apr. 1901	*HARRISON, GEORGE JOHN ROBERTSON	Valuer's Office, 20, Princes Square, Plymouth.
Jan. 1922	HARRISON, LEONARD CHARLES	Garrick Chambers, 11, Garrick Street, W.C.2.
Feb. 1899	HART, JOHN	Cowie Mains, Stonehaven, Kincardineshire.
A. Oct. 190~ F. Dec. 1911	*HARTFREE, GEORGE BERTRAM ..	Municipal Offices, Bridge Street, Godalming, Surrey.
Mar. 1895	HARTLEY, HENRY (Member of Council)	Bristowe Chambers, 8, Harrington Street, Liverpool.
Sep. 1895	HARVEY, JAMES GEO. MOREWOOD	Northern Bank Buildings, Londonderry.
A. Oct. 1912 F. Dec. 1920	*HASKINS, FREDERICK CYRIL, MAJOR	Kenmore, Thrale Road, Streatham, Park, S.W.
A. Jan. 1889 F. Oct. 1891	HASKINS, WILLIAM ALBION ..	2, Tanfield Court, Temple, E.C.
May 1873	HASLAM, DRYLAND	Warren House, Caversham, near Reading.
A. Dec. 1889 F. Aug. 1893	*HASLAM, DRYLAND, JUN. .. .	Friar Street Chambers, Reading.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
962	A. May 1883 F. Apr. 1889	*HASLUCK, LANCELOT GERALD ..	Green Hill Park, New Barnet, Herts.
7496	Oct. 1914	HASSAM, ARTHUR	Newcastle, Staffs.
8116	Oct. 1920	*HATHAWAY, PERCY WILLIAM ..	City Architect, Municipal Office, Calcutta.
5596	Oct. 1909	HATTE, WILLIAM MUNDAY ..	32, Nassau Street, Dublin, and Chancery Lane, Co. Cork.
4435	A. Oct. 1904 F. July 1920	*HAWKE, ROLAND WELSTEAD, CAPT.	Hoveton Lodge, Wroxham, Norfolk.
2268	Nov. 1891	HAWKER, HARRY EDWIN ..	St. Peter's Chambers, Bournemouth, Hants.
4184	A. Oct. 1903 F. June 1912	*HAWKINS, EDWARD ROBINSON ..	The Old Rectory, Southacre, King's Lynn.
3691	A. Oct. 1900 F. July 1903	*HAWKINS, LANCELOT GOULDER ..	Downham Market, Norfolk.
4185	A. Oct. 1903 F. Oct. 1914	*HAY, PERCY GILBERT	Totland, Clifton Road, Wallingford, Surrey.
7990	Oct. 1919	*HAYDON, REGINALD ERNEST ..	466, Oxford Street, W.1.
7191	A. Oct. 1913 F. Apr. 1920	*HAYNES, ALGERNON RICHARD	Cooney Court, Brigg, Lincs.
6688	A. Oct. 1912 F. July 1920	*HAYWARD, FRANK	39 and 40, Temple St., Birmingham.
1908	A. Jan. 1891 F. Apr. 1894	*HAYWARD, FREDERICK GEORGE, COLONEL	Market Square, Dover, Kent.
644	Dec. 1881	HAYWARD, HENRY	Dover, Kent.
3233	A. Oct. 1897 F. June 1900	*HAYWARD, THOMAS WILLIAM ALFRED, A.M.I.C.E., M.I.M.E. ..	38, Nightingale Lane, S.W.12.
6689	A. Oct. 1912 F. June 1914	*HAYWOOD, CHARLES SPENCER ..	Higher Mount, 240, Burnley Road, Accrington, Lancs.
6691	A. Oct. 1912 F. Apr. 1919	*HEAD, HAROLD GEORGE	40, Baker Street, W.
1673	A. Dec. 1889 F. May 1891	*HEAD, JOHN GEORGE	40, Baker Street, W.
3383	A. Oct. 1898 F. Apr. 1901	*HEALING, OSWALD JUDD	21, Queen Anne's Gate, Westminster.
4330	Oct. 1904	HEARD, RICHARD	Ballintubber, Carrigtwohill, Co. Cork.
3384	A. Oct. 1898 F. Dec. 1903	*HEATH, HENRY CUBITT	142, Grange Road, Bermondsey, S.E.
3998	A. Oct. 1902 F. May 1910	*HEATH, JOHN LIONEL	137, Worple Road, Wimbledon, S.W. (Surrey).
7759	Nov. 1918	*HEATHCOTE, ERNEST GRIGG, F.R.I.B.A.	110, Cannon Street, E.C.4.
692	Jan. 1882	HEATON, GEORGE HERBERT ..	Endon, near Stoke-upon-Trent, Staffs.
617	Apr. 1881	HEBBLETHWAITE, LOUIS	Custom House Buildings, Whitefriars, Hull, Yorkshire.
3842	A. Oct. 1901 F. Apr. 1920	*HEBDEN, FRANCIS RADCLIFFE	Valuers' Dept., Inland Revenue, Clifden Road, Twickenham, Middlesex.
3047	A. June 1896 F. Sep. 1902	*HEMPHILL, CHARLES GEORGE CATHCART, MAJOR	11, Ely Place, Dublin.
5850	Oct. 1910	*HENDRY, ROBERT	Southcroft, Thornliebank, near Glasgow.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Feb. 1906 F. Dec. 1919	*HENNELL, CHARLES MURRAY ..	
A. Oct. 1903 F. Nov. 1904	*HENNIKER, FREDERICK SIBERT..	Adelphi Terrace House, Adelphi, W.C.
A. Oct. 1913 F. July 1920	*HEPPER, EDWARD RAYMOND	Woodcote, Wood Lane, Headingley, Leeds.
A. Oct. 1905 F. Dec. 1920	*HEPWORTH, ERNEST ALFRED	75, Princess Street, Manchester.
A. Oct. 1905 F. Oct. 1914	*HEPWORTH, HERBERT RAIKES, A.M.I.C.E.	County Surveyor's Office, Wakefield, Yorkshire.
De. 1884	HERBERT, ALLAN.. .. .	The Market Place, Andover, Hants.
June 1896	*HERN, SAMUEL	93, St. Mary Street, Cardiff, Glamorgan-shire.
Jan. 1888	HESKETT, WILLIAM JAMES.. ..	St. Andrew's Churchyard, Penrith, and Viaduct Chambers, Carlisle.
A. Oct. 1894 F. Dec. 1895	*HEWARD, ERNEST JAMES	Sycamores, Walton-cum-Felixstowe, Suffolk.
Oct. 1914	HEWITT, CHARLES RICHARD ..	122, London Road, Derby.
A. Oct. 1913 F. Jan. 1922	HEWITT, DONALD	The Poplars, Laburnham Avenue, Durham.
A. Oct. 1904 F. Mar. 1920	*HEWITT, FRANK	Karachi, The Drive, Coulsdon, Surrey, and 4, Lancaster Place, Strand, W.C.
A. Oct. 1905 F. Nov. 1913	*HEWITT, FRANK	R.D.C. Offices, Kiveton Park, near Sheffield.
Jan. 1922	HEWITT, FRANK	Rowsley, Bramhall, Cheshire.
A. Oct. 1913 F. Oct. 1920	*HEWLITT, HORACE JAMES ..	High Road, Weald Village, Harrow, Middlesex.
A. Oct. 1907 F. Nov. 1908	*HEWS, THOMAS GREENSLADE ..	The Laurels, Swansea, Glamorgan-shire.
Sep. 1895	HEWSON, GEORGE RAWDON MAURICE, CAPT.	Dromahair, Co. Leitrim.
Feb. 1903	*HIBBERT, JOSEPH VICTOR.. ..	77, Croydon Road, Anerley, S.E. (Surrey).
A. Oct. 1912 F. Apr. 1921	*HIBBS, NORMAN HADLEY ..	Breeze Cottage, Sandbanks, Parkstone, Dorset.
May 1891	HICKSON, STEPHEN WESTBY ..	Telephone Buildings, 31, Queen Victoria Street, E.C.
Jan. 1884	HIGGINS, FREDERIC	Alford, Lincolnshire.
A. Dec. 1889 F. May 1891	*HIGGINS, GEORGE	12, Finchley Rd., St. John's Wood, N.W.
Mar. 1886	HILL, WILLIAM BURROUGH ..	93, Above Bar, Southampton, Hants.
A. Jan. 1886 F. Mar. 1890	HILLIARD, GEORGE EDWARD ..	Chelmsford.
A. Oct. 1899 F. May 1905	*HINCHSLIFF, EDWARD ROBERT..	Urban District Council Office, Barry, Glamorganshire.
May 1891	HINCKS, HENRY THORP	Keyham, near Leicester.
Oct. 1912	HINDE, WILLIAM HENN, M.I.C.E.	Selston, Greystones, Co. Wicklow.
Nov. 1891	HINDS, HENRY	57, Queen Street, Ramsgate, Kent.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5960	A. Oct. 1910 F. Sep. 1919	*HINE, ERNEST DARYLL	12A, Waterloo Place, S.W.1.
6273	A. Oct. 1911 F. July 1912	*HINES, ERNEST OWEN	340, Norwich Road, Ipswich.
6489	Oct. 1912	*HINES, HERBERT	46, Pilgrim Street, Newcastle-on-Tyne.
8797	Jan. 1922	HINGSTON, FREDERIC WILLIAM	9, Old Square, Lincoln's Inn, W.C.
3345	A. Oct. 1898 F. Oct. 1910	*HINKS, HENRY	Valuation Office, 7, Park Street, Croydon, Surrey.
4139	A. Oct. 1903 F. Oct. 1913	*HINTON, HERBERT ARTHUR	5, Crouch Hill, N. (Middlesex).
6708	A. Oct. 1912 F. Dec. 1919	*HINXMAN, ROLAND	Kitnocks, St. Thomas Street, W. chester.
1783	Apr. 1890	HIPPISLEY, WILLIAM JOHN	Northam House, Wells, Somerset.
4190	A. Oct. 1903 F. Dec. 1910	*§HOARE, ARTHUR JOHN	District Valuer's Office, 28, High V. Street, Dorchester.
1769	Mar. 1890	HOBBS, JOHN	Estate Office, Ashford, Kent.
6276	A. Oct. 1911 F. Apr. 1920	*HOBBS, WILLIAM BEDO	The Home Farm, Sneeth, Kent.
7522	Oct. 1914	*HOBDAY, WILLIAM HERBERT	196, Upper Clapton Road, E.5.
2080	May 1891	HOBGEN, THOMAS CECIL	41, East Street, Chichester, Sussex.
388	Feb. 1883	HOBSON, FREDERICK WILLIAM	54/55, London Wall, E.C.2.
5697	A. Oct. 1909 F. Oct. 1918	*HOBSON, REGINALD BERESFORD	54/55, London Wall, E.C.
5587	Oct. 1909	HODGES, ARTHUR POOL	H.M. Office of Works, King Cha. Street, S.W.
7204	A. Oct. 1913 F. July 1920	*HODGKINSON, NORMAN JOSEPH	11, Benet Street, Cambridge.
4321	Oct. 1904	HODGSON, HARRY MOORE	25, Bedford Row, W.C.
5186	A. Oct. 1907 F. Dec. 1914	*HODSON, LAURENCE SCRIVENER	Opposite Great Northern Railw. Station, Palmers Green, N. (Mid sex).
2081	May 1891	HOGGARTH, ARTHUR	Kendal, Westmorland.
4444	A. Oct. 1904 F. Apr. 1913	*HOGGARTH, LAWRENCE STEELE	St. Abbs, Kendal, Westmorland.
4445	A. Oct. 1904 F. May 1910	*HOGWOOD, DOUGLAS CLARENCE	6, Queen Street, Ramsgate, Kent.
5187	A. Oct. 1907 F. July 1919	*HOLDFORTH, HAROLD, O.B.E.	4, Mosley Street, Newcastle-on-Tyne.
2587	A. Oct. 1893 F. Feb. 1897	*HOLIDAY, PERCY CAVE	Bicester, Oxfordshire.
893	A. Feb. 1883 F. Nov. 1889	HOLLAND, THOMAS JAMES, JUN.	Station Road, Kennett, Cambs.
6277	A. Oct. 1911 F. Sep. 1919	*HOLLIS, ARTHUR	3, Park Place, Leeds.
4718	A. Oct. 1905 F. July 1921	*HOLLIS, RALPH EDMOND	District Valuer's Office, Pruden Chambers, Lichfield Street, V. erhampton, Staffs.
2279	Nov. 1891	HOLMAN, GEORGE EDWARD	6, King's Bench Walk, Temple, E.C.
6714	A. Oct. 1912 F. Oct. 1920	*HOLMES, EDWARD MARSHALL, CAPT., M.C.	16, St. James Street, Sheffield.
3845	A. Oct. 1901 F. July 1907	*§HOLMES, MONTAGU PRICE	33, Paternoster Row, E.C.
2281	Nov. 1891	HOMAN, FRANKLIN GEORGE	178, Eastgate, Rochester, Kent.
1595	A. Feb. 1889 F. May 1897	*HOMAN, HUBERT FRANKLIN	178, Eastgate, Rochester, Kent.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1902 F. July 1913	*HOME, PHILIP WOOLLATT ..	63, Weston Park, Crouch End, N.8 (Middlesex).
A. Oct. 1904 F. Oct. 1914	*HONEY, ROBERT LLEWELLYN ..	Town Hall, Chatham.
Feb. 1890	HONEYBALL, FRED. THOMAS ..	Deal, Kent.
A. Oct. 1901 F. May 1903	*HOOD, HERBERT CHARLES ..	8, Union Court, Old Broad Street, E.C.
June 1896	*HOOD, WALTER RICHARD ..	8, Union Court, Old Broad Street, E.C.
Dec. 1883	HOOD-DANIEL, HARRY AUGUSTUS ..	Hillview, Fittleworth, Sussex.
A. Oct. 1906 F. June 1910	*HOOKEY, REGINALD EDWARD ..	61, Streatham Hill, S.W.2.
A. Oct. 1899 F. July 1901	*HOOLEY, ARTHUR JOHN ..	The College, All Saints', Derby.
A. Oct. 1900 F. June 1908	*HOOPER, ALFRED EGBERT ..	10, High Street, Marlborough, Wiltshire.
C.F. Oct. '11 F. Nov. 1918	HOOPER, AUGUSTUS SHELTON ..	Thatched House Club, St. James' Street, S.W.1.
A. Jan. 1888 F. Jan. 1896	*HOOPER, CECIL HENRY ..	South Eastern Agricultural College, Wye, Kent.
A. Oct. 1895 F. Nov. 1899	*†HOOPER, EDGAR WILFRED ..	Haslemere, Beaufort Road, Reigate, Surrey.
A. Oct. 1907 F. Oct. 1920	*HOOPER, HAROLD THOMAS ..	16, Osborne Road, Thornton Heath, Surrey.
A. Oct. 1904 F. Mar. 1920	*HOOPER, STANLEY ..	Bryngwili, Knoll Avenue, Swansea.
Jan. 1922	HOOSE, ELLIS LANCELEY ..	10, Dale Street, Liverpool.
A. Oct. 1911 F. Dec. 1921	*HOOTON, LEONARD STANWELL ..	10, Northgate Street, Warwick.
A. Oct. 1901 F. June 1909	*HOPKINS, PERCY RAYNES ..	6, Ely Place, Dublin.
Nov. 1891	HOPKINSON, ALFRED, A.M.I.C.E.	15, Agur Street, Bury.
Mar. 1891	HORNE, EDMUND ..	High Street, Hounslow, Middlesex.
Apr. 1882	*HORNE, W. EDGAR, M.P. (Past-President) ..	110, Mount Street, W.1.
A. Oct. 1910 F. Sep. 1919	*HORNOR, BASSETT FARDELL, D.S.O.	Old Bank of England Court, Queen Street, Norwich.
May 1887	HORNOR, CHARLES JARED ..	32, Prince of Wales' Road, Norwich.
May 1887	HORNOR, FRANCIS ..	Old Bank of England Court, Queen Street, Norwich.
Oct. 1908	HORSBRUGH, CHARLES EDWARD	Blairqutrosh, Blanefield, Glasgow.
Jan. 1922	HORSBURGH, WILLIAM PETER	D. 16, Exchange Buildings, Liverpool.
Oct. 1913	*HORSER, COTTERELL WALTER ..	65, Cleveland Road, South Woodford, N.E. (Essex).
May 1890	HORSEY, FREDERICK JOHN TERRY	11, Billiter Square, E.C.
Mar. 1890	HORSFALL, RICHARD EDGAR ..	22A, Commercial St., Halifax, Yorkshire.
A. Oct. 1901 F. Nov. 1905	*†HOSEGOOD, ANDREW WEBBER ..	Williton, Somerset.
A. Oct. 1901 F. July 1902	*HOSKINS, MARCUS ..	Woodlands, Beaconsfield Road, Chatswood W., Sydney, New South Wales.
A. Oct. 1905 F. Apr. 1911	*HOUGHTON, JOHN GOLDSMITH ..	24, Queen's Road, Richmond Hill, Surrey.

† Special Sanitary Science Diploma.

‡ Special Forestry Diploma.

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1587	Feb. 1889	HOVENDEN, HENRY EDWARD ..	Silverbirch, Inglemere Road, For- Hill, S.E.23.
5190	A. Oct. 1907 F. Oct. 1920	*HOVENDEN, JACK REGINALD	12, Stonehills Mansions, Streath- Hill, S.W.16.
4004	A. Oct. 1902 F. Nov. 1912	*HOW, HERBERT	41, Heath Street, Hampstead, N
8800	Jan. 1922	HOWARD, ALFRED	222, Strand, W.C.2.
4304	A. Feb. 1904 F. June 1919	*HOWARD, EDMUND	Howard & Partners, 58, Pall Mall, S
6717	A. Oct. 1912 F. Oct. 1920	*HOWE, CLARENCE SHAW THORNTON	21, Bond Street, Leeds.
6718	A. Oct. 1912 F. June 1919	*HOWE, THOMAS THORNTON ..	Olive Mount, Bramley Hill, Kirks- Yorks.
7715	Oct. 1917	*HOWES, FRANCIS TIPPETT..	White House, Hucclecote, Gloucester
6142	Oct. 1911	*HOWES, WILLIAM TROTMAN, M.B.E.	21, Holwood Road, Bromley, Kent
3236	A. Oct. 1897 F. Nov. 1908	*HOWLAND, ARTHUR FRANK ..	6, Old Jewry, E.C.2.
171	A. Feb. 1869 F. Mar. 1883	HUBBERSTY, HENRY ALFRED ..	Buxton, Derbyshire.
5597	Oct. 1909	HUGGARD, WILLIAM	Clounalour, Tralee, Co. Kerry.
4450	A. Oct. 1904 F. Oct. 1911	*HUGGINS, ERNEST GEORGE ..	8, Union Court, Old Broad Street, E.
6460	Oct. 1912	HUGHES, GEORGE, MAJOR ..	Civil Engineer-in-Chief's Departm- Admiralty, S.W.
8360	Oct. 1921	HUGHES, HENRY, O.B.E. ..	Chief Surveyor, Air Ministry, Kin- way, W.C.2.
7861	A. Nov. 1918 F. Oct. 1920	*HUGHES, THOMAS HAROLD, CAPT., F.R.G.S.	27, Ashton Terrace, Hillhead, Glas
7223	A. Oct. 1913 F. July 1921	*HUGHES, WILLIAM EDWYN ..	Valuation Office, 7, King Street, C- marthen.
1609	Mar. 1889	HUGMAN, CHARLES EADY .. .	9, Adam Street, Adelphi, W.C.
6285	A. Oct. 1911 F. Sept. 1917	*HUME, JOHN.. . . .	30, Eastfield, Joppa, Edinburgh.
2087	May 1891	HUMPHREYS, JOHN HENRY ..	Castle House, Usk, Monmouthshire.
5192	A. Oct. 1907 F. Nov. 1910	*HUNNINGS, ARTHUR	112, Baxter Avenue, Southend- Sea.
4887	Oct. 1906	*HUNT, FRANK WILLIAM .. .	9, Spring Gardens, Charing Cross, S
3551	A. Oct. 1899 F. Dec. 1902	*HUNT, GEORGE WHITAKER ..	Estate Office, Holme Lacy, Hereford
5970	A. Oct. 1910 F. Apr. 1919	*HUNT, HERBERT CHARLES ..	70, King Edward's Grove, Tedding- Middlesex.
6143	Oct. 1911	*HUNT, JOHN, F.R.I.B.A. . .	13, Wyndham Place, Bryanston W.I., and Ryecroft, Park R- Watford, Herts.
7523	Oct. 1914	*HUNTER, JAMES DOUGLAS..	39, Great Marlborough Street, W.
8801	Jan. 1922	HUNTER, SAMUEL COYNE ..	2, Wellington Place, Belfast.
6461	Oct. 1912	HUNTLEY, FREDERICK ARTHUR, LIC.R.I.B.A.	2, Vernon Road, Bridlington, Yc
3288	Nov. 1891	HURRELL, JOHN WEYMOUTH ..	17, Stretford Road, Manchester.

Date of Election and of Transfer	FELLOWS.	Address.
A. Oct. 1902 F. Oct. 1910	*HUSKINSON, ERNEST AMPHLETT, CAPTAIN, M.C.	Epperstone, near Nottingham.
A. Dec. 1883 F. Jan. 1891	HUSKINSON, THOMAS WILLIAM..	Epperstone Manor, Nottingham.
Oct. 1908	HUSON, ERNEST WILLIAM.. . .	131, Dorchester Road, Weymouth.
A. Oct. 1912 F. Apr. 1916 A. Oct. 1906 F. Jan. 1911	*HUSSEY, SYDNEY	99, Queens Road, Ashford, Kent.
Jan. 1922	*HUTCHINGS, WILLIAM ARTHUR..	
	HUTCHINS, GEORGE	Grosvenor Buildings, Newgate St., Chester.
Oct. 1909	*HUTCHINS, JAMES BUSHELL . .	Commerce Court, 13, Lord Street, Liverpool.
Oct. 1911	HUTCHISON, WILLIAM HENRY . .	General Valuation Office, 6, Ely Place, Dublin.
A. Oct. 1910 F. Mar. 1920	*IBBETSON, THOMAS HENRY . .	Valuation Office, Lincoln's Inn Fields, W.C.
Oct. 1921	INGLIS, ROBERT	Old Blair, Blair Atholl, Perthshire.
A. Oct. 1901 F. Dec. 1910	*INGRAM, CECIL WALTER	Messrs. Knight, Frank & Rutley, 100, Princes Street, Edinburgh.
A. Oct. 1903 F. Apr. 1911	*INGRAM, JAMES FRANCIS	26, Victoria Street, Grimsby, Lincoln- shire.
A. Feb. 1873 F. Jan. 1882 Nov. 1891	INGRAM, WALTER FEILDE	2, St. Andrew's Place, Lewes, Sussex.
	IRELAND, EDWIN BENJAMIN . .	Guestwick, East Dereham, Norfolk.
Jan. 1922	JACKSON, HARRY	23, Brazennose Street, Manchester.
Feb. 1915	JACKSON, JOHN HAROLD	18, Booth Street, Manchester.
Oct. 1905	*JACKSON, ROBERT	District Commissioners' Office, Minis- try of Agriculture, Prudential Build- ings, Dale Street, Liverpool.
Dec. 1887	JACKSON, WILLIAM TRESS.. . .	117, High Street, Sittingbourne, Kent.
Oct. 1908	*JACOB, LOUIS, A.R.I.B.A. . . .	39, Bloomsbury Square, W.C.
Nov. 1891	JAMES, CHRISTIAN HUGH	Rudchester, Wylam-on-Tyne, Northum- berland.
Feb. 1906	JAMES, FREDERICK JOHN, M.B.E.	1, Rusham Road, Wandsworth Common, S.W.
Oct. 1912	*JAMES, GEORGE CHARLES	Rating Department, Guildhall, E.C.
A. Oct. 1905 F. Nov. 1909	*JAMES, GEORGE ERNEST	Superintending Valuer's Office, Mart- lett House, Bow Street, W.6.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4603	Oct. 1905	JAMES, MERTON JOHN	53, Loxley Road, Wandsworth Comm S.W.18.
2820	Sep. 1896	JAMESON, ROBT. WILLIAM	Campfield House, Dundrum, Co. Dublin
5476	A. Oct. 1908 F. Oct. 1913	*JAQUES, THOMAS ARNOLD	
2684	A. Oct. 1894 F. June 1899	*JARMAN, WILLIAM	Alandale, Hatch End, Middlesex.
2627	A. Nov. 1892 F. Oct. 1898	*JARMAN, FRANK WILMOT	19, Wharfedale Gardens, Thornt Heath, Surrey.
7979	Oct. 1919	JARVIE, WILLIAM	Bothwell Collieries, Bothwell, N.B.
5196	A. Oct. 1907 F. Oct. 1914	JARVIS, LAWRENCE ALFRED	6, Ely Place, Dublin.
1302	Jan. 1886	JEANS, MARK	Marlborough, Wilts.
5851	Oct. 1910	*JEFFERIES, HENRY CHARLES, O.B.E.	8, Madrid Road, Barnes, S.W. (Surrey)
4010	A. Oct. 1902 F. June 1914	*JEFFERY, FRANCIS WILSON	Star Castle, St. Mary's, Scilly (Cornwall)
3588	A. Oct. 1893 F. Nov. 1895	*JEFFREE, SYDNEY	82, Harleyford Road, Vauxhall.
2367	A. Oct. 1895 F. May 1897	*JENKIN, ARTHUR PEARSE	Trewirgie, Redruth, Cornwall.
6144	Oct. 1911	*JENKINS, ALBERT DAVID	Surveyor's Office, Municipal Building Liverpool.
5974	A. Oct. 1910 F. June 1914	*JENKINS, CHARLES HERBERT BLEWITT	3, Orchard Street, Neath, Glam.
5975	A. Oct. 1910 F. Oct. 1914	*JENKINS, HAROLD JOHN	4, College Street, Swansea.
2238	A. Oct. 1897 F. Dec. 1903	*JENKINS, RICHARD JAMES	Town Hall, Portsmouth.
8397	Oct. 1921	*JENKINS, TREVELLIAN PHILLIPS	St. Elmo, Uplands, Swansea.
4888	Oct. 1906	*JENKINS, WILLIAM DAVID	Housing Architect, Town Hall, Aberdare, S. Wales.
4455	A. Oct. 1904 F. Apr. 1920	*JENKINS, WILLIAM LIONEL	Shire Hall, Bury St. Edmund Suffolk.
2160	A. Feb. 1897 F. Mar. 1899	*JENKINSON, WILLIAM ERIC LEIGH	15, New Bridge Street, Ludgate Circus, E.C.
736	Feb. 1882	JENKINSON, WILLIAM WILBER- FORCE	122, Palace Road, S.W.2.
2685	A. Oct. 1894 F. Nov. 1897	*JENNER, WILLIAM	6, Gluman Gate, Chesterfield, Derbyshire
5976	A. Oct. 1910 F. Dec. 1921	*JENNINGS, DANIEL STRACHAN	98, Grove Vale, East Dulwich S.E.22.
3048	A. June 1896 F. June 1900	*JENNINGS, FITZ-LAURENCE PER- CIVAL DUDLEY	137, Park Road, N.W.
2012	Mar. 1891	JENNINGS, WILLIAM JOSEPH	4, St. Margaret's Street, Canterbury
4735	A. Oct. 1905 F. June 1919	*JESSUP, DAVID POOLEY	Inland Revenue, County Chamber Northampton.
6294	A. Oct. 1911 F. Mar. 1920	*JEWELL, ARTHUR EDWARD	National Oil Refineries, Ltd., Ske Neath, Glam.
8804	Jan. 1922	JEYES, CHARLES RIX	"The Lindens," Hutton, Essex.
4975	A. Oct. 1906 F. Mar. 1920	*JOHNSON, ARTHUR WILLIAM	District Valuer's Office, 23, Victoria Avenue, Horrogate.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Nov. 1892 F. Nov. 1896	*JOHNSON, BERNARD MARR (Member of Council)	5, Great College Street, Westminster Abbey, S.W.
A. Oct. 1907 F. Oct. 1914	JOHNSON, CLIFFORD NOEL	19, Priory Street, Dudley, Worcester-shire.
A. Oct. 1897 F. June 1910	*JOHNSON, HARRY LABRON	22, Elleray Park Road, Liscard, Cheshire.
A. May 1883 F. Jan. 1885	*JOHNSON, HENRY	34 and 36, Gresham Street, E.C.
Feb. 1906	JOHNSON, HENRY JAMES	21, Queen Anne's Gate, S.W.
A. Oct. 1898 F. July 1903	*JOHNSTON, REGINALD	133-136, High Holborn, W.C.
A. Oct. 1912 F. July 1917	*JOHNSTON, ROBERT WILLIAM, MAJOR	211, Union Street, Aberdeen.
A. Oct. 1902 F. Jan. 1904	*JOHNSTONE, AUGUSTUS FREDERIC	39, Merville Avenue, Kingstown, Co. Dublin.
Feb. 1899	JOHNSTONE, JAMES	Mereworth, Prestwick, Ayresshire.
Oct. 1911	*JOHNSTONE, JOHN THOMAS	59, Woodbourne Avenue, Streatham, S.W.16.
A. Oct. 1900 F. Feb. 1903	*JONAS, HAROLD DRIVER, O.B.E.	7, Charles Street, St. James' Square, S.W.1.
A. Feb. 1888 F. May 1891	*JONAS, HARRY MARSHALL, C.B.E.	8, Suffolk Street, Pall Mall East, S.W.1, and 27, Market Hill, Cambridge.
A. Apr. 1869 F. Feb. 1878	JONAS, HENRY	7, Charles Street, St. James' Square, S.W.1.
A. Oct. 1902 F. Nov. 1905	*JONES, ARTHUR ERNEST	Gladstone Villa, Victoria Road, New-castle, Staffs.
Oct. 1915	*JONES, DAVID JOHN	Hill Crest, Amersham Hill, High Wycombe.
Oct. 1914	JONES, EDWARD LLOYD	Plas-Isa, Rhosymedre, Ruabon, Den-bighshire.
A. Oct. 1896 F. Dec. 1898	*JONES, ERNEST JOEL	199, Maida Vale, W.
Jan. 1890	JONES, FRANCIS WILLIAM	2, Frewin Court, Corn Market St., Oxford.
A. Oct. 1907 F. Nov. 1913	*JONES, FRANK CECIL	Frewin Court, Corn Market Street, Oxford.
A. May 1883 F. Nov. 1886	*† JONES, HENRY ARTHUR	3 and 4, Lincoln's Inn Fields, W.C.
Nov. 1890	JONES, ISAAC M., M.I.C.E.	The Town Hall, Chester.
A. Oct. 1898 F. Feb. 1908	*JONES, JOHN ARTHUR	C.E. in C.'s Dept., H.M. Dockyard, Rosyth.
A. Oct. 1905 F. Oct. 1907	*JONES, JOHN FOX	13, John Street, Bedford Row, W.C.1.
A. Oct. 1902 F. Nov. 1909	*JONES, JOHN RICE	24, Bridge Street, Newport, Mon.
A. Oct. 1908 F. Dec. 1919	*JONES, MONTAGUE WILLIAM	Frewin Court, Corn Market Street, Oxford.
A. Oct. 1898 F. Nov. 1912	*JONES, PERCY EVERLEY	5, Little George Street, Westminster, S.W.
A. Dec. 1881 F. May 1891	JONES, THOMAS, M.I.C.E.	5, Little George Street, Westminster, S.W.
A. Oct. 1908 F. June 1911	*JONES, URWICK MEREDITH	Warwick Chambers, Corporation Street, Birmingham.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
7734	Nov. 1916	JONES, WILLIAM CAMPBELL ..	Skinner's Hall, Dowgate Hill, E.C.3.
2013	Mar. 1891	JONES, WILLIAM EDWARD ..	Anglesey Estate Office, Graig, Llanpwll, Anglesey.
2298	Nov. 1891	JOSELAND, CHARLES	Bank Buildings, Kidderminster, Worcestershire.
1467	Mar. 1888	JOSEPH, DELISSA, F.R.I.B.A. ..	38, Coleman Street, Bank, E.C.
3361	Oct. 1921	JOSLING, ERNEST GEORGE ARTHUR	9, Southampton Street, W.C.1.
7675	Nov. 1916	*§JUKES, LOUIS WILLIAM ..	12, Landguard Road; Southampton
4015	A. Oct. 1902 F. Nov. 1912	*†JULL, ROBERT CHARLES ..	1, Cumberland Gardens, Tunbridge Wells, Kent.
3704	A. Oct. 1900 F. July 1912	*KAYE, HERBERT	Valuation Office, Inland Revenue Prudential Buildings, Westgate Wakefield, Yorkshire.
6470	Oct. 1912	KEANE, CHARLES OWEN ..	Hermitage, Ennis, Co. Clare.
4884	Oct. 1906	KEARNS, ROBERT MATTHEW ..	Garryowen, Weston Green, Thame Ditton, Surrey.
2969	A. Oct. 1895 F. July 1917	*KEAY, WILLIAM	6, Millstone Lane, Leicester.
2687	A. Oct. 1894 F. July 1921	*KEEP, WILLIAM HENRY ..	W.D. Land Agents' Office, Millers Barracks, Portsea, Hants.
3766	Feb. 1901	*KELLY, JOHN GEORGE ..	Roseneath, Totley Rise, Sheffield.
2823	Sep. 1896	KELLY, RICHARD HENRY ..	21, The Mall, Waterford.
4977	A. Oct. 1906 F. Nov. 908	*KELLY, SYDNEY APPLETON ..	136, The Albany, Oldhall Street, Liverpool.
6302	A. Oct. 1911 F. Feb. 1919	*KENNARD, LAURENCE .. .	12, Gray's Inn Square, W.C.
5599	Oct. 1909	KENNEDY, MICHAEL A. ..	Kinkella, Loughrea, Co. Galway.
5484	A. Oct. 1908 F. Sep. 1919	*KENNEDY, PERCY EDWARD ..	16, Valley Bridge Parade, Scarborough.
7760	Nov. 1918	*KENNEDY, RICHARD PERCIVAL ..	193, Ladbroke Grove, W.10.
2590	A. Oct. 1893 F. Jan. 1922	KENNETT, CHARLES ARTHUR ..	Neneview, Tansor, near Peterborough.
1191	May 1884	KENT, GEORGE EDWARD ..	"Normanhurst," Cavendish Road, Southsea, Hants.
7004	Oct. 1913	*KENT, GEORGE NATHANIEL ..	521, Barking Road, Plaistow, E.
2299	Nov. 1891	KENWICK, GEORGE .. .	96, Cambridge Gardens, North Kensington, W.10.
3240	A. Oct. 1897 F. Apl. 1901	*SKERR, JOHN MURRAY ..	Inland Revenue, London City & Mile Bank Chambers, High Street, Liverpool.
7666	Nov. 1916	KERR, J. SCOTT	11, Courtfield Gardens, S.W.5.
3332	Oct. 1898	*KERRUISH, WILLIAM MALTBY ..	21, Athol Street, Douglas, Isle of Man.
1614	Apr. 1889	KERSEY, ALEX. H., F.R.I.B.A. ..	21, Finsbury Pavement, E.C.

List of Members.

Date of Election and of Transfer.	FELLOWS.	Address.
Oct. 1919	*KERSLAKE, THOMAS HENRY ..	Estate Office, Cockington, Torquay.
Nov. 1890	KIDWELL, JOHN	St. Margaret's Bank, Rochester, Kent.
A. Oct. 1894 F. Sep. 1903	*KILLICK, ANTHONY EDWARD ..	Valuation Office, Lincoln's Inn Fields, W.C.2.
Oct. 1913	*KING, FRANCIS HOLDEN	Estate Office, Foxholes, Rochdale, Lancs.
Jan. 1883	KING, FRANK HULME.. .. .	Horsham, Sussex.
Jan. 1922	KING, HARRY E.	3, New Court, Carey Street, W.C.2.
Jan. 1922	KINGSFORD, H. BRUCE	25, St. Aldate Street, Gloucester.
A. Feb. 1899 F. Sep. 1903	*KIRBY, FRANCIS JOSEPH	5, Cook Street, Liverpool.
A. Jan. 1896 F. Nov. 1900	*KIRK, JOHN WRIGHT	30, Stockwell Road, S.W.
Oct. 1908	*KIRKBY, REGINALD GUY, F.R.I.B.A.	17, Rosebery Crescent, Jesmond. New-castle-on-Tyne.
Feb. 1898	KIRKWOOD, CHARLES	61, West Regent Street, Glasgow.
A. Oct. 1909 F. Oct. 1920	*KIRKWOOD, NORMAN FRASER	Oriel Chambers, Water Street, Liverpool.
Oct. 1909	KIRWAN, DENIS BIRMINGHAM ..	Dalgin, Tuam, Co. Galway.
A. Oct. 1909 F. Apr. 1920	*KISCH, AUGUSTUS MAITLAND ..	41, Bedford Row, W.C.
A. Apr. 1906 F. Oct. 1914	*KISLINGBURY, ARTHUR VERNON	4, Verulam Buildings, Gray's Inn, W.C.1.
A. Oct. 1900 F. Dec. 1919	*KNIBB, FREDERICK CHARLES, O.B.E.	112, West Side, Clapham Common, S.W.
Feb. 1892	KNIGHT, EDGAR WALSH	94, Bow Road, E.
A. Oct. 1903 F. Oct. 1907	*KNIGHT, FREDERICK WILLIAM ..	38, Parliament Street, S.W.
A. Nov. 1892 F. Nov. 1901	*KNIGHT, GEORGE EDWARD .. .	3, Lincoln's Inn Fields, W.C.
Oct. 1896	KNIGHT, HENRY ST. JOHN, MAJOR	"Kaloni," Farnborough Road, Farnborough, Hants.
A. Oct. 1899 F. Sep. 1904	*KNOWLES, GEORGE POTTER, M.B.E., B.SC. (Lond.), A.M.I.C.E.	39, Victoria Street, Westminster, S.W.
A. Dec. 1882 F. Dec. 1889	KNOWLES, HENRY	Egerton House, The Spa, Gloucester.
A. Oct. 1906 F. Dec. 1911	*KNOWLES, JOSEPH BERTRAM ..	123, Lansdowne Road, W.11.
Oct. 1909	*KNOWLES, LESLIE S.	3, Tudor Street, Blackfriars, E.C.4.
A. Oct. 1907 F. Mar. 1920	*KNUBLEY, MILES PONSONBY ..	Steeple Ashton Vicarage, Trowbridge, Wiltshire.
Oct. 1921	LAILLER, GEORGE	Strabane, Brodick, Isle of Arran.
A. Oct. 1911 F. Sep. 1919	*LAIRD, DANIEL MACLELLAND ..	42, Lancaster Gate, W.
A. Oct. 1915 F. Dec. 1919	*LAKE, BERNARD	10, St. Alkmunds Square, Shrewsbury.
A. Oct. 1896 F. June 1899	*LAKE, CUTHBERT.. .. .	9, Stone Buildings, Lincoln's Inn, W.C., and Hatch End, Middlesex.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3557	A. Oct. 1901 F. May 1910	*LAKE, RALPH JULIAN	Heage House, Crouch Hill, N. (Midsex).
3973	A. Oct. 1895 F. Oct. 1896	*LAKIN-SMITH, ERNEST	Colmore House, 21, Waterloo Street, Birmingham.
4017	A. Oct. 1902 F. Oct. 1914	*LAMBERT, ARTHUR JOHN	36, Hindes Road, Harrow.
5209	A. Oct. 1907 F. Dec. 1918	*LAMBERT, ARTHUR PEPLOE	Trenton, St. Barnabas Road, Sutton Surrey.
6742	A. Oct. 1912 F. Nov. 1913	*LAMBERT, EDWIN EMMANUEL	12, Adderley Grove, Clapham Comm. S.W.
5210	A. Oct. 1907 F. Oct. 1914	*LAMBERT, EDWIN HANS	Merriecote, Brenchley, Kent.
4203	A. Oct. 1903 F. Oct. 1914	*LAMBERT, GEORGE ARROW	R.E. Office, The Barracks, Winchester.
1553	A. Jan. 1889 F. Dec. 1891	*LAMBERT, GODFREY CHARLES	8, Henrietta Street, Covent Garden, W.
5714	A. Oct. 1909 F. Dec. 1921	*LAMOND, JOHN, A.M.I.C.E.	Borough Engineer and Surveyor, Office, Town Hall, Catford, S.E.
3591	A. Oct. 1893 F. Oct. 1899	*LANCASTER, JOHN ROY	Crown Court, Cheapside, E.C.
4739	A. Oct. 1905 F. Apl. 1915	*LANCASTER, SIDNEY JAMES	Rates Office, Edmund Street, Birmingham.
5488	A. Oct. 1908 F. Jan. 1912	*LANDER, SIDNEY MONTEM, M.B.E.	Valuer's Office, 3 Sansome Place, Worcester.
2090	May 1891	LANE, ERNEST LACAN	81, Old Christchurch Rd., Bournemouth Hants.
4205	A. Oct. 1903 F. Apr. 1913	*LANG, AUGUSTUS BERNARD DASHWOOD	3, King Street, Cheapside, E.C.
7006	Oct. 1913	*LANGFORD, EDWARD THOMAS	The Sand House, Arley, near Bewdley, Worcestershire.
7255	A. Oct. 1913 F. July 1920	*LANGLEY, FRANK CURTIS	77, Queen Victoria Street, E.C.
3858	A. Oct. 1901 F. May 1905	*LANGRIDGE, WALTER FREDERICK	Tunbridge Wells, Kent, and 28, Queen Street, Cheapside, E.C.
3708	A. Oct. 1900 F. June 1915	*LANHAM, LAURENCE, O.B.E.	6 and 7, Broad Street, Oxford.
8807	Jan. 1922	LANDSOWN, HAROLD	9, Regent Street, S.W.
3559	A. Oct. 1899 F. Oct. 1903	*LATHAM, ALBERT TUMMONS	21, Bedford Row, W.C.1.
8808	Jan. 1922	LATTER, CHARLES WILLIAM	44, Bedford Row, W.C.1.
2015	Mar. 1891	LATTER, HUGH ROBINSON	The Town Hall, Bromley, Kent.
7473	A. Feb. 1914 F. Mar. 1920	*LAURANCE, JOHN BIDWELL	30, Priestgate, Peterborough.
7676	Nov. 1916	*LAW, WILLIAM HEELIS	51, North John Street, Liverpool.
8309	Jan. 1922	LAW, WILLIAM MILLER	51, North John Street, Liverpool.
4741	A. Oct. 1905 F. Apl. 1915	*LAWRANCE, JOHN, JUN.	33, Pattison Road, N.W.2.
2091	May 1891	LAWRANCE, WALTER (<i>Member of Council</i>)	13, Hart Street, Bloomsbury Square, W.
4021	A. Oct. 1902 F. Dec. 1910	*LAWRENCE, CHARLES PHILLIPS	Carlton House, Botcherby, Carlisle.
3890	A. Oct. 1901 F. Oct. 1907	*LAWRENCE, JOHN, N.D.A.	Messrs. Cawter, Cheshunt, Hertfordshire.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Dec. 1883 F. Nov. 1889 A. Oct. 1903 F. Sep. 1904	LAWRENCE, WILLIAM ROBERT ..	57 and 58, Chancery Lane, W.C.
A. Jan. 1891 F. Mar. 1895 A. Oct. 1894 F. Nov. 1895 Oct. 1894	*LEANING, AUBREY RUPERT SIDNEY	Kingsgate House, 115, High Holborn, W.C.
	*LEANING, HENRY JOHN	28, John Street, Bedford Row, W.C.
	*LEANING, WILLIAM ARTHUR ..	28, John Street, Bedford Row, W.C.
	*LEATHER, GEORGE HERBERT ..	25, Hawke Road, Upper Norwood S.E.19.
A. Oct. 1897 F. Oct. 1900	*LEATHER, WILLIAM BEAUMONT ..	21, Burton Crescent, Headingley, Leeds.
A. Oct. 1910 F. Apr. 1916 A. Oct. 1906 F. Feb. 1919	*LEE, ALEXANDER VICTOR	143, High Street, Guildford.
	*LEE, JOHN PINCKE	Croft House, Droitwich, Worcester-shire.
A. Jan. 1887 F. Nov. 1893 A. Oct. 1901 F. Feb. 1904	*LEE, JOHN WILFRID	Town Hall, Haverstock Hill, N.W.
Feb. 1915 Oct. 1895	*LEE-NORMAN, ALEXANDER HENRY	Corballis, Ardee, Co. Louth.
	LEECH, ARTHUR HENRY	11, King Street, Wigan, Lancs.
	*LEEDER, ERNEST HOLTHAM (Member of Council)	46, Waterloo Street, Swansea, Glamorganshire.
A. Oct. 1901 F. Nov. 1906 Oct. 1905	*LEES, FRANK ARTHUR	71, Mildred Avenue, Watford.
	LEEST, FREDERICK CHARLES ..	Civil Engineer-in-Chief's Department Admiralty, S.W.
Oct. 1904	LE FANU, VICTOR CHARLES ..	Estate Office, Bray, Co. Wicklow.
A. Oct. 1913 F. July 1917	LEITH, THOMAS	Comrie Villa, Craigie Road, Perth.
A. Oct. 1909 F. Jan. 1922	LEONARD, EDWARD	Ministry of Health, Whitehall, S.W.1.
Jan. 1882	LEPPER, JOHN HARRAGE	10, Market Square, Bromley, Kent.
A. Jan. 1873 F. Apr. 1882	LERMIT, ALFRED WILLIAM ..	Pontian Besar, Cucob. via Singapore, F.M.S.
Oct. 1904	L'ESTRANGE, HENRY G.	The Estates Office, Sligo.
Jan. 1922	LEWIS, GEORGE	33, Newhall Street, Birmingham.
Oct. 1914	LEWIS, GEORGE ALFRED, LIEUT.-COL., M.A. (Cantab.), C.M.G. ..	Midland Road, Derby.
Oct. 1915	*LEWIS, PENRY ARTHUR	Government Buildings, Bangor, N. Wales.
Oct. 1914	LEWIS, PERCY WILLIAM	Park Leys, Duffield, Derby, and Midland Road, Derby.
A. Oct. 1912 F. Apr. 1921	*LIDDLE, LAURENCE HENRY	General Valuation Office, 6, Ely Place, Dublin.
Feb. 1908	LIGHTBODY, FORREST HAY ..	53, Queen Street, Edinburgh.
A. Oct. 1908 F. July 1920	*LIGHTBOWN, ALFRED STUART	General Valuation Office, 6, Ely Place, Dublin.
Feb. 1883	LIGHTFOOT, HENRY LE BLANC, M.A. (Oxon)	Corpus Christi College, Oxford.
Dec. 1889	LINAKER, CHARLES EDWARD ..	Frodsham, Cheshire.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
8398	Oct. 1921	*LINDLEY, JOHN	101, Lightbourne Road, Mosta Manchester.
812	Jan. 1922	LING, F. J.	Architectural Section, Public Works Office, Hong Kong.
7264	A. Oct. 1913 F. Oct. 1920	*LINGARD, WILLIAM	15, Cooper Street, Manchester.
5493	A. Oct. 1908 F. Oct. 1914	*LINNEY, JOSEPH FREDERIC	c/o W. H. Robinson & Co., 12, Lane, Cross Street, Manchester.
3710	A. Oct. 1900 F. May 1909	*LISNEY, HARRY	The General Valuation Office, 6, B Place, Dublin.
1405	Dec. 1887	LISTER-KAYE, CHARLES WILKIN- SON	Kingston House, North Carlisle Workshop, Notts.
2310	Nov. 1891	LITTLE, WILLIAM	Hutton Hall, Penrith, Cumberland.
4208	A. Oct. 1903 F. Jan. 1909	*LIVING, ROBERT	Clooneavin, Lynton, N. Devon.
4462	A. Oct. 1904 F. Apr. 1911	*LLEWELLYN, ARTHUR HENRY	Valuation Department, Castle House Trowbridge, Wilts.
7650	Nov. 1916	LLEWELLYN, GEORGE ERNEST	Bryngarw, Aberkenfig, Glamorganshire.
3399	A. Oct. 1878 F. Dec. 1901	*LLOYD, DONALD	Messrs. Ellen and Son, Andover, Han
5495	A. Oct. 1908 F. Apr. 1914	*LOCK, CECIL WILLIAM BEST	9, Station Road, Watford, Herts.
6751	A. Oct. 1912 F. June 1914	*LODGE, THOMAS ARTHUR	Rythe Lawn, Thames Ditton, Surrey.
3564	A. Oct. 1899 F. Nov. 1903	*LOFTHOUSE, ALBERT WILSON	Woodcroft, Marton, S.O., and 129, Altham Road, Middlesbrough, Yorkshire.
8813	Jan. 1922	LOFTING, JOHN BRIEN	44, Bedford Row, W.C.1.
8814	Jan. 1922	LOFTING, J. H.	44, Bedford Row, W.C.1.
1164	A. May 1884 F. June 1891	LOFTS, HENRY FAIRLAM	130, Mount St., Grosvenor Square, W.
3469	Feb. 1899	LOGAN, JAMES	Coltness, Wishaw, Lanarkshire.
3565	A. Oct. 1899 F. Nov. 1900	*LOMAS, ALBERT DANIEL	Estate Department, Lancashire & Yorkshire Railway, Manchester.
5837	Oct. 1910	LONG, LELAND	Civil Engineer's Dept., Admiralty, S.W.
4333	Oct. 1904	LONGFIELD, HENRY FOSTER	Grange Erin, Douglas, Cork.
6491	t. 1912 Oo	*LONGLEY, HENRY BANKS	Surrey Estate Offices, High Street Epsom, Surrey.
2462	A. Nov. 1891 F. Mar. 1895	*LONGSDON, ERNEST MOREWOOD	The Hollow, Little Longstone, Derbyshire.
4992	A. Oct. 1906 F. Mar. 1920	*LORD, FREDERICK WILLIAM	37, Hallgate, Doncaster, Yorks.
8371	Oct. 1921	LORIMER, ALLAN AITKEN	47, Overgate, Dundee.
2314	Nov. 1891	LORING, JOHN	Doddington, Nantwich, Cheshire.
7992	Oct. 1919	LOVEGROVE, GILBERT HENRY, F.R.I.B.A.	374, Old Street, E.C.2.
1396	Nov. 1887	LOVEGROVE, HENRY, A.R.I.B.A.	18, Foxgrove Road, Beckenham, Kent.
8815	Jan. 1922	LOW, JAMES BARTLEY HYDE	74, Duke Street, Chelmsford.
8816	Jan. 1922	LOWRIES, WILLIAM J.	33, Furnival Street, E.C.4.
6314	A. Oct. 1911 F. Apr. 1920	*LUCAS, ARTHUR LITTLEJOHNS	23, Budge Row, E.C.
2532	A. Nov. 1892 F. June 1897	*LUCAS, JOHN ARCHIBALD, F.R.I.B.A.	Guildhall Chambers, High Street Exeter.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1903 F. June 1919 Feb. 1890	*LUCAS, JOHN CLAY LUDLOW, WALTER ROBERT, BRIG.-GENERAL, C.B.	51, Lincoln's Inn Fields, W.C.2. 19, Temple Street, Birmingham, and Lovelace Hill, Solihull, Warwickshire.
A. Feb. 1902 F. Oct. 1918	*LUFFINGHAM, WILLIAM JOHN ..	18, Brockley Rise, Forest Hill, S.E.
A. Oct. 1899 F. Apl. 1915	*LUKE, JOHN	Town Hall, Manchester.
A. Oct. 1899 F. June 1900 Jan. 1922	*LUKER, DYNELEY LUNN, W. H. H.	63, Lincoln's Inn Fields, W.C.2. Broadway Court, Broadway, West- minster, S.W.1.
Oct. 1909	LYLE, SYDNEY J., CAPT.	Ballycastle, Co. Antrim.
Oct. 1909	*LYNAM, GEORGE TROTTER	Town Hall, Burton-on-Trent.
Jan. 1922	LYNAM, R. B.	11, Duke Street, St. James, S.W.1.
Nov. 1916	*LYNAM, WILLIAM THOMAS, A.M.I.C.E.	Council Offices, Cudworth, near Barnsley, Yorks.
A. Oct. 1901 F. Nov. 1912	*LYNDE, WALTER MIGHELLS ..	Public Works Department, Nairobi, British East Africa.
A. Oct. 1899 F. Jan. 1903	*LYNES, HUMPHREY DOD	Black Heath Estate Office, Saxmund- ham, Suffolk.
A. Feb. 1912 F. Dec. 1921	*LYSTER, FRANK OLIVER	Parish Offices, Brownlow Hill, Liver- pool.
Feb. 1890	LYWOOD, EDWIN	16, Weyhill Road, Andover, Hants.
A. Oct. 1911 F. Oct. 1920 Oct. 1921	*MACAULAY, JAMES MCAULEY, JAMES JOSEPH	37, St. Vincent Crescent, Glasgow, N. 6, Ely Place, Dublin.
Nov. 1918	*† McBEATH, DAVID KEIR	Broxwood, Sandbank, Argyllshire.
Nov. 1891	MACCALLUM, ALEXANDER DUNCAN	2, Ethel Terrace, Mount Florida, Glasgow.
Oct. 1921	MCCARTHY, JOHN	6, Ely Place, Dublin.
Oct. 1904	MCCLURE, ROBERT	Estates Office, Glenhazel, Kenmare, Co. Kerry.
Nov. 1918	MCCLURE, ROBERT NASH	Estate Office, Tralee, Co. Kerry.
Nov. 1916	MCCONNELL, JOSEPH	37, Royal Avenue, Belfast.
Nov. 1891	MCCRACKEN, WILLIAM	Englesea House, Crewe.
Sep. 1895	MCDONALD, ALLAN, M.A. (<i>Dublin</i>)	Glenarm, Co. Antrim.
A. Dec. 1889 F. Mar. 1895	*§MACDONALD, ARTHUR, M.A. (<i>Cantab.</i>)	Tring, Herts.
Oct. 1912	MACDONNELL, CHARLES R.A., D.L.	Montore, Bray, Co. Wicklow.
Jan. 1922	McEWAN-WAGHORN, ARTHUR E.	7 & 8, King William Street, Strand, W.C.2.
A. Oct. 1908 F. Oct. 1911	*McGHIE, CHARLES	38, Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
Feb. 1908	McHARRIE, STAIR	Rephad, Stranraer, Wigtownshire.
A. Oct. 1907 F. May 1909	*McILWRAITH, JOHN FORSYTH ..	8, Moorcroft Road, Streatham, S.W.16.

† Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
7276	A. Oct. 1913 F. July 1920	*MACKAY, DAVID MEIKLE	189, St. Vincent Street, Glasgow.
8820	Jan. 1922	MACKENZIE, CHARLES E.	102, Bishopsgate, E.C.2.
7484	Oct. 1914	McKIE, HENRY BANNERMAN	Freeland, Bishopston, Renfrewshire.
6462	Oct. 1912	MACKINTOSH, JOHN	Architects' Department, H.M. Prison Commission for Scotland, Edinburgh.
5371	Oct. 1908	McLAREN, JOHN THOMAS	The Leuchold, Dalmeny Park, Edinburgh.
7882	A. Nov. 1918 F. July 1921	*MACLEAN, PETER MCKINNON	c/o Messrs. Castiglione & Scott, 2, S. Castle Street, Edinburgh.
5341	Feb. 1908	McMICHAEL, JAMES	1, Argyll Arcade, Glasgow.
7481	Oct. 1914	McMILLAN, JOHN KNOX	6, Ely Place, Dublin.
7983	Oct. 1919	McNAIR, ANDREW THOMSON	General Valuation Office, 6, Ely Place, Dublin.
8385	Oct. 1921	McNEILL, JAMES	6, Ely Place, Dublin.
3476	Feb. 1899	MACPHERSON, WILLIAM	Montrose Estates Office, Catter House, Drymen, Stirlingshire.
6320	A. Oct. 1911 F. Nov. 1917	*MACROBBIE, WILLIAM ALEXANDER	102, Deswood Place, Aberdeen.
5904	A. Oct. 1910 F. Sep. 1919	*§McTAGGART, HUGH HARVEY	60, Falcon Avenue, Morningside, Edinburgh.
5218	A. Oct. 1907 F. Apr. 1920	*MADDOCK, GEORGE	10, Harrison Road, Halifax, York.
3317	Nov. 1891	†MADGE, JOHN	Somerset House, Chard, Somersetshire.
4210	A. Oct. 1903 F. Apr. 1911	*MADGE, WILFRID	Rating Department, Treasury, S.W.
3713	A. Oct. 1900 F. Feb. 1908	*MAGGS, LEONARD	The Hollies, Walnut Grove, Radcliffe, Trent, Nottinghamshire.
4752	A. Oct. 1905 F. June 1911	*MAKINS, JAMES VINCENT	30, George Square, Glasgow.
5996	A. Oct. 1910 F. Sept. 1917	*MALCOM, JAMES ARCHIE	53, Hanover Street, Edinburgh.
5997	A. Oct. 1910 F. Jan. 1922	MALLET, JOHN GRAHAM	Lonsdale Chambers, 27, Chancery Lane, W.C.2.
4345	Oct. 1904	*MALTBY, CHARLES MIDLAM	40, Knightsbridge, S.W.
6762	A. Oct. 1912 F. Feb. 1918	*MANN, CHARLES	31, Albert Square, Dundee.
161	Jan. 1860	MANN, CHARLES JOHN	10, Bedford Row, W.C.1.
2319	Nov. 1891	MANN, JABEZ, A.M.I.C.E.	2, Tubs Hill, Sevenoaks, Kent.
1784	Apr. 1890	MANN, J. BAGSHAW	12, Lower Grosvenor Place, S.W.
1554	A. Jan. 1889 F. Feb. 1893	*MANN, ROBERT BAGSHAW	10, Bedford Row, W.C.1.
8819	Jan. 1922	MANN, WALTER	30, Rosemount Avenue, North Finchley, N.12 (Middlesex).
8821	Jan. 1922	MARCHANT, ROBERT	2, Wellington Place, Belfast.
4905	A. Oct. 1906 F. Feb. 1919	*MARKHAM, CHRISTOPHER WILLIAM O'LEARY	Rolls Chambers, 89, Chancery Lane, W.C.2.
6146	Oct. 1911	*MARKHAM, FREDERICK WARREN	90, Deansgate, Manchester.
1947	Jan. 1891	MARKS, HYMAN	19, Ludgate Hill, E.C.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1908	*MARSDEN, JOHN WILLIAM.. ..	108, Deansgate, Manchester.
F. Oct. 1909		
A. Oct. 1909	*§MARSH, FREDERICK STEPHEN..	7, Park Avenue, Northampton.
F. Oct. 1910		
Oct. 1915	MARSH, JOHN WILTON	City Hall, Charing Cross Road, W.C.
Oct. 1915	MARSH, THOMAS ASPINALL ..	Leaders Buildings, King Street, Wigan, Lancs.
A. Nov. 1881		
F. Nov. 1884	MARSHALL, LIONEL HASLER ..	Chippenham, Wilts.
Apr. 1890	MARSHALL, PETER	3, Hartshead, Sheffield.
A. Feb. 1894		
F. Oct. 1897	*§MARTIN, ALFRED JOHN	Alton, Hants.
A. Oct. 1906		
F. Jan. 1912	*MARTIN, HARRISON	27, Chancery Lane, W.C.
A. Jan. 1889		
F. Jan. 1896	*§MARTIN, HEBER GAMBLING ..	Littleport, Isle of Ely, Cambridgeshire.
Jan. 1875	MARTIN, HOWARD (<i>Past-President</i>)	12 Great George Street, S.W.1., and South Lawn, Reigate, Surrey.
A. Oct. 1900	*MARTIN, JOHN PATTINSON.. ..	63, High Street, Lewes, Sussex.
F. Feb. 1908		
A. Oct. 1893	*MARTIN, SAMUEL.. ..	Valuation Office, Inland Revenue, Lincoln's Inn Fields, W.C.
F. Mar. 1892		
A. Dec. 1888	*†MARTIN, THOMAS, CAPT. ..	39, Osborne Road, Palmer's Green, N.13. (Middlesex.)
F. July 1892		
A. Oct. 1908	*MARTIN, VICTOR CALLINGHAM ..	17, Bedford Row, W.C.
F. June 1919		
Feb. 1889	MARVIN, ALBERT EDWARD.. ..	The Grove, Carisbrooke, Isle of Wight.
Feb. 1899	MARWICK, THOMAS PURVES ..	43, York Place, Edinburgh.
A. Oct. 1908		
F. June 1919	*MASKELL, REGINALD	3, Warwick Court, Gray's Inn, W.C.
A. Oct. 1905		
F. Apr. 1921	*MASON, ARNOLD STEWART ..	Engineer's Department, Corporation Waterworks, Liverpool.
Mar. 1889	MASON, CHARLES.. ..	Newton House, Queen Street, Louth, Lincolnshire.
A. Dec. 1889		
F. June 1908	*MASON, CHARLES WILLIAM HAYLEY	59, Broadhurst Gardens, N.W.6.
A. Oct. 1902	*MASON, HERBERT WALTER ..	The Hutch, Ferndale Road, Banstead, Surrey.
F. Jan. 1906		
A. Dec. 1885		
F. Nov. 1888	*MASSIE, FRANK, M.I.C.E.	Tetley House, Kirkgate, Wakefield, Yorkshire.
A. Oct. 1901		
F. Oct. 1913	*MASTERS, WILLIAM HENRY ..	Glencairn, Arthur Road, Southampton.
A. Oct. 1900		
F. Nov. 1901	*MATHER, JAMES	Ravelston Bank, Blackhall, Midlothian.
Dec. 1883	MATHEWS, JOSEPH DOUGLASS, F.R.I.B.A.	11, Dowgate Hill, E.C.
A. Oct. 1893	*MATHEWS, LEWIS OSLER, M.A. (<i>Cantab.</i>)	12, Waterloo Street, Birmingham.
F. Apr. 1896		
Oct. 1913	*MATHISON, JOSEPH	Langport, Somerset.
A. Oct. 1912		
F. Dec. 1919	*MATKIN, GEORGE EDWARD.. ..	Town Hall, Sunderland, Durham.
A. Oct. 1889		
F. Oct. 1900	*MATTHEWS, DOUGLAS SAMUEL	15, Soho Square, W.1.
Jan. 1922	MATTHEWS, H. S.	41, Billington Road, New Cross, S.E.14.

† Special Forestry Diploma.

§ Special Rating Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
6770	A. Oct. 1912 F. Oct. 1913	*†MATTHEWS, MAURICE KERSHAW	77, Tottenham Court Road, W.
2842	Sep. 1895	MAUDE, CHRISTOPHER HUGH ..	Lenaghan, Enniskillen, Co. Fermanagh
8823	Jan. 1922	MAUNDER, HENRY NEWMAN ..	Public Works Department, Union Buildings, Pretoria, South Africa
5802	Oct. 1909	MAUNSELL, GEORGE EDWARD SCARLETT	Burghclere, Newbury, Berks.
2843	Sep. 1895	MAUNSELL, RICHARD EDWARD ..	4, Kildare Street, Dublin.
3866	A. Oct. 1901 F. Sep. 1902	*MAXWELL, DAVID BENJAMIN ..	Riverside, Great Blakenham, Ipswich
1356	A. Jan. 1887 F. Jan. 1890	*MAXWELL, FRANCIS WILLIAM ..	25, Brazennose Street, Manchester.
3333	Oct. 1898	*MAXWELL, JOSEPH ARCHIBALD ..	21, Marlborough Road, Banbury, Oxfordshire.
2320	Nov. 1891	MAY, THOMAS HENRY	"Harefield," Marlborough Road, Buxton, Derbyshire.
6001	A. Oct. 1910 F. Oct. 1914	*MAY, WILLIAM STOKES	21, Hart Street, Bloomsbury Square, W.C.
4212	A. Oct. 1903 F. June 1910	*MAYHEW, ROBERT HENRY JEWERS, A.R.I.B.A.	Edmondsbury, Genoa Road, Anerley, S.E. (Surrey).
3571	A. Oct. 1899 F. May 1903	*MEABY, THOMAS JAMES	Canford Estate Office, Wimborne, Dorsetshire.
4032	A. Oct. 1902 F. June 1912	*MEACHER, EDMOND, MAJOR ..	10, Whitehall Place, S.W.1.
5603	Oct. 1909	MEDCALF, WILLIAM	6, Clare Street, Dublin.
7528	A. Oct. 1914 F. Oct. 1920	*MEDRINGTON, ARTHUR CHARLES PERCY, M.A. (<i>Cantab.</i>) ..	Oriel Chambers, Water Street, Liverpool.
1949	Jan. 1891	MELLOR, THOMAS HENRY	1, Sillwood Place, Brighton.
1447	A. Jan. 1888 F. Sep. 1902	*†MELROSE, FRANK	3-4, Clement's Inn, W.C.2.
7286	A. Oct. 1913 F. July 1920	*MELVIN, CHARLES JOHN	43, High Street, Teddington, Middlesex
8399	Oct. 1921	*MENDHAM, JOHN BERNARD ..	9, Duke Street, Adelphi, W.C.2.
1379	Mar. 1887	MENZIES, WILLIAM	Golspie, Englefield Green, Surrey.
2696	A. Oct. 1894 F. June 1897	*MERCER, CHARLES EDWARD ..	Estate Office, S.E. Railway, Tooley Street, London Bridge Station, S.E.
4999	A. Oct. 1906 F. July 1921	*MERRETT, HAROLD THRIFT ..	5, Great College Street, Westminster Abbey, S.W.
1972	A. Jan. 1891 F. Dec. 1894	*§MERRY, ARTHUR WALKER	17, High Street, Leighton Buzzard, Bedfordshire
2099	May 1891	MERRY, THOMAS	Barclay Bank Chambers, St. Giles Square, Northampton.
2646	Oct. 1894	*MESSENGER, HENRY	77, Chancery Lane, W.C.
746	Feb. 1882	MESSENGER, WILLIAM HARRY ..	Town Hall Chambers, Guildford.
5728	A. Oct. 1909 F. Sep. 1919	*METCALFE, WILLIAM	Kellingley, Knottingley, Yorkshire.
1223	Dec. 1884	*†MICHELMORE, ALFRED	Gate House, Totnes, Devon.
8372	Oct. 1921	MICHIE, DAVID KINLOCH	Elderslie Estates Office, Renfrewshire
5342	Feb. 1908	MIDDLETON, JAMES	Estate Office, Braehead, Kilmarnock
1493	Nov. 1888	MIDDLETON, REGINALD EMPSON, M.I.C.E.	90, Kensington Park Road, W.

† Special Sanitary Science Diploma.

‡ Special Forestry Diploma.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1910 F. Oct. 1914 Nov. 1891 Oct. 1896	*MILLAR, ALEXANDER WALKER.. MILLAR, WILLIAM GALT *MILLER, JOHN EZRA	37, Frederick Street, Edinburgh. 1, Arcade Chambers, Reading. 4, Brookside Ter., Sunderland, Durham.
A. May 1891 F. May 1892 Oct. 1914 A. Oct. 1900 F. Dec. 1903	*MILLER, JOHN JOSEPH, A.R.I.B.A.. MILLER, WILLIAM MITCHELL *MILLS, ARTHUR ERNEST	8, Poplar Grove, Hammersmith, W.6. 12, St. Andrew's Square, Edinburgh. General Valuation Office, 6, Ely Place, Dublin.
A. Oct. 1901 F. Dec. 1918 Oct. 1914	*MILLS, DANIEL MILLS, FREDERICK PETER.. ..	3, Sansome Place, Worcester. 47, Linden Road, Gosforth, Newcastle-on-Tyne.
May 1884 Feb. 1886 Nov. 1891	MILLS, SAMUEL MEALING MILLS, WILLIAM EDWARD MILLYARD, JOHN WILLIAM.. ..	51, London Street, Norwich. 57, Hamilton Sq., Birkenhead, Cheshire. Estate Office, Saltmarshie Castle, Bromyard, Herefordshire.
A. Oct. 1907 F. Mar. 1920 A. Oct. 1906 F. Apl. 1915 A. Feb. 1906 F. Nov. 1913 Oct. 1913	*SMILNE, JAMES LOGIE *MILNES, CHARLTON *MIRAMS, ARTHUR EDWARD MITCHELL, GEORGE BENNETT, M.B.E.	89, Corporation Street, Birmingham. 57, Hamilton Square, Birkenhead. Poona, Bombay Presidency, India. 148, Union Street, Aberdeen.
A. Nov. 1891 F. Oct. 1892 A. Oct. 1903 F. June 1911 Oct. 1912	*MITCHELL, GEORGE SHARMAN *MITCHELL, HAROLD HASTINGS *MITCHELL, JOSEPH	Broadbridge Place, Horsham, Sussex. Holywell House, Henwick, Worcester. Devonshire Buildings, Carlisle.
A. Feb. 1906 F. Feb. 1918	*MITCHELL, SIDNEY	District Valuer's Office, 29-31, Hatfield Road, St. Alban's, Herts.
Feb. 1915	MITTON, HENRY EUSTACE.. ..	Ormonde Fields, Codnor, Derby.
A. June 1896 F. Nov. 1916	*MOERAN, ARCHIBALD EDWARD.. ..	Portumna Castle, Portumna, Co. Galway.
A. Oct. 1904 F. July 1918	*†MOISER, CYRIL	Valuation Department, 9, Hammett Street, Taunton.
Feb. 1890	MONCKTON, HENRY PERCIVAL, F.R.I.B.A.	32, Walbrook, E.C.
Oct. 1907	*MONSON, EDWARD CHARLES PHILIP, F.R.I.B.A.	Finsbury Pavement House, E.C., and 182, High Street, Acton, W. (Middlesex)
Oct. 1912	MONTGOMERY, HARFORD HUGH	2, Howard Street, Belfast.
Oct. 1919	MONTGOMERY, THOMAS HASSARD, MAJOR, D.S.O.	Hampton Hall, Worthen, Salop.
A. Oct. 1905 F. June 1910	*MONTGOMERY, WILLIAM ALEX- ANDER, MAJOR, D.S.O., C.B.E...	2, Howard Street, Belfast.
Jan. 1922	MOODY, THOMAS JAMES	21, Hart Street, Bloomsbury, W.C.1.
Feb. 1889	MOORE, ALFRED	7, Leadenhall Street, E.C., and 33, Mile End Road, E.
A. Oct. 1901 F. June 1919	*MOORE, ARTHUR WILLIAM.. ..	61, Malvern Road, Gillingham.

† Special Rating Diploma.

† Special Forestry Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
4217	A. Oct. 1903 F. Oct. 1913	*MOORE, ERNEST LLEWELLYN ..	Wellesley House, 7, Mill Lane, West Hampstead, N.W.
1165	A. May 1884 F. May 1888	*MOORE, HAROLD EDWARD.. ..	41, Bedford Row, W.C.
6778	A. Oct. 1912 F. Nov. 1916	*MOORE, HAROLD ELLIS	39, Denmark Road, Gloucester.
8826	Jan. 1922	MOORE, THOMAS	Phillip's Chambers, 267, Church Square, Pretoria.
8386	Oct. 1921	MORAN, PATRICK, J... ..	3, Windsor Terrace, Kingstown Dublin.
7478	Oct. 1914	MORE, WILLIAM HENRY	Crown Lodge, Harlech, N. Wales.
2331	Nov. 1891	MORGAN, BENJAMIN BRAUFORD	1, Upper King Street, Norwich.
5225	A. Oct. 907 F. Dec. 1914	*MORGAN, THOMAS EDWIN	75, Chancery Lane, W.C.
7503	Oct. 1914	MORGANS, GODFREY EWART, LT.-COL.	16, Rue de l'abbé de l'épée, Paris (V)
6332	A. Oct. 1911 F. Dec. 1912	*MORLEY, ERIC, A.R.I.B.A.	14, Park Drive, Bradford, Yorkshire
3405	A. Oct. 1898 F. Sep. 1919	*MORRIS, ARTHUR.. ..	54, St. Peter's Avenue, Cleethorpe Lincolnshire.
6006	A. Oct. 1910 F. Mar. 1920	*SMORRIS, CLIFFORD	Elmhurst, Welshpool, Montgomery
1443	Jan. 1888	MORRIS, EDWARD HENRY	Clive Place, Welshpool, Montgomery shire.
2538	A. Nov. 1892 F. Oct. 1894	*MORRIS, RICHARD PERCIVAL ..	21, Montserrat Road, Putney, S.W
7651	Nov. 1916	MORRIS, WILLIAM	77, King Street, Manchester.
2699	A. Oct. 1894 F. Oct. 1899	*MORRIS, WILLIAM HENRY.. ..	West House, Chirbury, Shropshire.
3671	A. Oct. 1900 F. Oct. 1909	*MORRIS-DAVIES, JAMES GEORGE	Hafod Estate Office, Devil's Bridge S.O., Cardiganshire.
7008	Oct. 1913	*MORRISH, WILLIAM JAMES MARMADUKE, B.A., F.R.I.B.A.	Wyke Road, Gillingham, Dorset.
8872	A. Oct. 1901 F. Mar. 1909	*MORRISON, IVOR CHARLES.. ..	Otterleigh, St. Albans, Herts.
8827	Jan. 1922	MORTER, HENRY ARTHUR	102, Bishopsgate, E.C.2.
8828	Jan. 1922	MORTON, WILLIAM	45, John Street, Sunderland.
7299	A. Oct. 1913 F. Mar. 1920	*MORTON, WILLIAM DAVID	2, Salisbury Road, Dover.
7009	Oct. 1913	*MOTION, SIDNEY HERBERT	23, Hart Street, Bloomsbury, W.C.
3065	Oct. 1896	MOXON, HERBERT WILLIAM, LT.-COL., O.B.E.	R.E. Office, Abbey Field, Colchester Essex.
3575	A. Oct. 1899 F. Jan. 1912	*MUMBY, ELVIN FOWLER	Parliament Mansions, Victoria Street Westminster, S.W.1.
8829	Jan. 1922	MUMBY, THOMAS NEVILLE CAMOMILE	
4219	A. Oct. 1903 F. Oct. 1910	*MUNDELL, JOSEPH EDWARD, A.R.I.B.A.	305, Finchley Road, Hampstead N.W.5.
3325	Oct. 1898	MURDOCH, ROBERT	91, Maxwell Road, Glasgow.
2845	Sep. 1895	MURPHY, JAMES FRASER, MAJOR	Estate Office, Boyle, Co. Roscommon
6473	Oct. 1912	MURPHY, J. H. BURKE	Cultra Lodge, Cultra, Co. Down.
7735	Nov. 1918	MURRAY, JOHN, F.R.I.B.A.	11, Suffolk Street, Pall Mall, S.W.1.

Date of Election and of Transfer.	FELLOWS.	Address
Feb. 1899	MURRAY, JOHN CAMPBELL.. ..	Pollok Estates Office, 120, West Regent Street, Glasgow.
Feb. 1899	MURRAY, JOSEPH.. ..	Camperdown Estates Office, Dryburgh, Lochee, Forfarshire.
Feb. 1899	MURRAY, WILLIAM WATSON ..	Catter House, Drymen, Stirlingshire.
A. Oct. 1905 * F. Oct. 1911	*SMURRELL, SIDNEY JAMES ..	District Valuer, 6, Gluman Gate, Chesterfield.
Oct. 1909	MYERS, ALBERT ROBERT	H.M. Office of Works, King Charles Street, Westminster, S.W.
Oct. 1911	*MYERS, LEGENDER WILLIAM..	13, Gray's Inn Square, W.C.1.
Feb. 1889	NAPIER, HENRY BURROUGHES ..	Ashton Court Estate Office, Long Ashton, Clifton, Bristol (Somerset).
A. Jan. 1869 F. Mar. 1882	NASH, ALFRED JAMES.. ..	Farnham, Surrey.
Jan. 1922	NASH, GEORGE PERRY	11, Hanover Street, Hanover Square, W.1.
Oct. 1904	NASH, SIR VINCENT, D.L.	85, George Street, Limerick.
A. Oct. 1904 F. Dec. 1912	*NAYLOR, JOHN STUART	8, Lancaster Place, Strand, W.C.
Feb. 1879	NEAME, FREDERICK	Macknade, Faversham, Kent.
Apr. 1882	NEATE, ARTHUR WEBB	8, St. Mary's Hill, Newbury, and Hungerford, Berkshire.
Feb. 1906	NEIGHBOUR, WILLIAM FRANCIS..	55 & 56, Chancery Lane, W.C.2.
A. Oct. 1909 F. Apr. 1915	*NEIL, DAVID MAXWELL	13A, Westcliff Park Drive, Southend-on-Sea, Essex.
Nov. 1918	NEILL, HUGH	87, Union Street, Glasgow.
A. Oct. 1902 F. June 1904	*NEILL, JAMES NEILL	38, Park Row, Leeds.
A. Oct. 1898 F. Feb. 1900	*NESBITT, JOHN OSCAR.. ..	8, Oxford Street, Nottingham.
A. Oct. 1903 F. Nov. 1908	*NEWBORN, CHARLES REGINALD	6, New Square, Lincoln's Inn, W.C.2.
Feb. 1890	NEWILL, ROBERT HENRY	The Elms, Little Stretton, Church Stretton, Shropshire.
Dec. 1885	NEWMAN, ARTHUR HARRISON, F.R.I.B.A.	St. Thomas Chambers, 24, Railway Approach, S.E.
A. Oct. 1902 F. Apr. 1908	*NEWMAN, BERNARD	19, Villiers Road, Southall, W. (Middlesex).
A. Oct. 1899 F. Jan. 1912	*NEWMAN, HENRY ARTHUR, A.M.I.C.E.	Council Offices, Church End, Finchley, N. (Middlesex).
A. Nov. 1892 F. Oct. 1894	*NEWMAN, SAMUEL FRANK.. ..	33 and 34, Savile Row, W.
A. Jan. 1880 F. Apr. 1886	NEWMARCH, HENRY CHARLES ..	17, Bedford Row, W.C.
Nov. 1916	NEWTON, ROBERT	Killymeal, Dungannon.

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6333	A. Oct. 1911 F. Dec. 1920	*NICHOLLS, DOUGLAS RICHARD, MAJOR, R.E.	Chard, Somerset.
3408	A. Oct. 1898	*NICHOLSON, GUY MURRAY	55 & 56, Chancery Lane, Holborn
4612	F. Oct. 1905		W.C.2.
6334	A. Oct. 1911 F. July 1913	*NICHOLSON, JAMES	15, Westwood Road, Bolton, Lanc.
3240	Nov. 1891	NICHOLSON, WILLIAM ABERNETHY	1 and 2, Queen Street, Cheapside, E.C.
8100	Oct. 1920	NIGHTINGALE, CHARLES FREDERICK	145, Lichfield Street, Walsall.
8831	Jan. 1922	NIXON, ERNEST DERMOT	7, Warwick Court, High Holborn
			W.C.1.
4485	A. Oct. 1904 F. Nov. 1913	*NORMAN, CHARLES FREDERICK . .	83, Kingsway, W.C.2.
5383	Oct. 1908	*NORMAN, HERBERT JOHN	Clare Lodge, Southall, Middlesex, and Valuation Office, Inland Revenue 18, Shoot-up Hill, Brondesbury
			N.W.
8452	A. Feb. 1912 F. Dec. 1919	*NORMAN, STUART HENRY	Auction Mart, Halford Street, L.
			chester.
85	July 1868	NORTH, GEORGE	Lands Improvement Company, 1, Grosvenor George Street, S.W.
255	Feb. 1871	NOTLEY, RICHARD ALBERT	14, Bow Lane, Cannon Street, E.C.
8832	Jan. 1922	NUNN, SAMUEL THOMAS	85, Fleet Street, E.C.4.
2978	A. Oct. 1895 F. May 1898	*NUTTALL, HERBERT, A.M.I.C.E., F.G.S.	30, Highgate Avenue, Fulwood, Preston, Lancashire.
1409	A. Oct. 1898 F. Dec. 1904	*NUTTER, JOHN	Valuation Dept., Inland Revenue Market Square, Lancaster.
4225	A. Oct. 1903 F. Feb. 1919	*NYE, HAYDN PERCIVAL	23, Gloucester Place, Brighton.
3465	A. Nov. 1891 F. Oct. 1894	*OAKLEY, CHRISTOPHER PERCIVAL	Valuation Department, 1, Lewisham Hill, S.E.
3020	Mar. 1891	OAKLEY, EDWARD BENJAMIN	Hinton Chambers, Bournemouth, Hampshire
1975	A. Jan. 1891 F. Dec. 1892	*OAKLEY, SIR JOHN HUBERT (Past-President)	4 and 5, Charles Street, St. James's Square, S.W.
3577	A. Oct. 1899 F. Apr. 1901	*O'BRIEN, DONOUGH RICHARD	74, O'Connell Street, Limerick.
7753	Nov. 1918	O'BRIEN, THE HON. EDWARD DONOUGH	Roslevan, Ennis, Co. Clare.
7504	Oct. 1914	O'DONAHUE, THOMAS ALOYSIUS	Valuation Department, 174, Soho Square, Birmingham.
8387	Oct. 1921	O'DONOGHUE, THOMAS ROSS	6, Ely Place, Dublin.
1976	A. Jan. 1891 F. Jan. 1894	*OGDEN, MICHAEL GUY	4, Hill Road, Wimbledon, S. (Surrey).

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1897 F. Oct. 1899	*OGILVIE, ROBERT MATHEWSON..	Market Place, Hayward's Heath, Sussex.
A. Oct. 1905 F. Mar. 1920	*OLDFIELD, CLAUDE COURTENAY	51, Park Lane, Norwich.
A. Oct. 1906 F. Nov. 1907 Nov. 1891	*OLDHAM, JAMES OLIVER, CHARLES EDWARD ..	12, Paton Street, Piccadilly, Manchester. Consett Iron Co., Ltd., Consett, Co. Durham.
A. Oct. 1912 F. July 1921	*OLIVER, WILLIAM MARSH ..	19, St. Michael's Street, West Bromwich, Staffs.
Feb. 1886	ORGILL, JOHN BERWICK	75, Onslow Square, South Kensington, S.W.7.
A. Oct. 1910 F. Apr. 1916	*ORPEN, ALFRED	126, Maida Vale, W.
A. Oct. 1898 F. Sep. 1904	*ORWIN, CHARLES STEWART, HON. M.A. (<i>Oxon.</i>)	School of Rural Economy, Parks Road, Oxford.
A. Oct. 1909 F. Mar. 1920	*OSBORN, GEORGE	Oakhill House, Parker's Road, Sheffield.
A. June 1896 F. June 1899	*OSENTON, CHARLES	Leatherhead, Surrey.
A. Oct. 1903 F. Nov. 1909	*†OSMOND-SMITH, FRANCIS HENRY GEORGE, M.R.A.C.	County Council Offices, Cardiff.
A. Nov. 1892 F. Jan. 1908	*OVENDEN, CHARLES	121, Cannon Street, E.C.
Oct. 1910	*OVENDEN, HARRY	22, Finsbury Square, E.C.
Feb. 1906	OVERALL, EDMUND	5, Duke Street, Adelphi, W.C.
A. Oct. 1901 F. June 1908	*OVERTON, WILLIAM HENRY ..	22, Ship Street, Brighton.
A. Oct. 1902 F. Mar. 1920	*OWEN, HARRY BERTRAM ..	c/o Owen Blois & Owen, Newcastle, Staffs.
A. Feb. 1884 F. Jan. 1890	OWEN, THOMAS HENRY RULE ..	High St., Haverfordwest, Pembrokeshire.
Oct. 1915	*OXLEY, HAROLD	Metropolitan Water Board, 173, Rosebery Avenue, E.C.1.
Mar. 1891	PAGE, GEORGE FREDERICK	Eagle Chambers, Kingston-on-Thames, Surrey.
A. Oct. 1894 F. Jan. 1898	*†PAGE, STANLEY HATCH, LT.-COL., C.M.G.	6, Queen Street, Ramsgate, Kent.
A. Nov. 1875 F. Apr. 1881	PAIN, COARD SQUAREY	Bebington, Cheshire.
A. Oct. 1893 F. June 1897	*PAIN, GEORGE LLOYD	5, Vicarage Road, Leamington.
A. Oct. 1894 F. June 1914	*PAIN, WILLIAM HENRY	The Gables, South Collingham, Newark, Notts.
Jan. 1922	PAINE, SYDNEY A.	2, New Court, Carey Street, W.C.2.
A. Oct. 1907 F. Dec. 1921	*PALMER, FREDERICK CHARLES..	Valuation and Rating Department, Guildhall, E.C.
A. Oct. 1903 F. June 1904	*PALMER, FREDERICK CHARLES RICHARD	National Provincial Bank of England, Ltd., Building Dept., 15, Bishopsgate, E.C.

† Special Forestry Diploma.

† Special Sanitary Science Diploma.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2495	A. Feb. 1892 F. July 1901	*PALMER, WILLIAM EDWARD KING A.R.I.B.A.	7, Duke Street, Adelphi, W.C.
7321	A. Oct. 1913 F. July 1921	*PARFITT, GERALD ARTHUR . .	Waterworks Lodge, Heigham, Norwich.
5344	Feb. 1908	PARK, ALEXANDER	175, Hope Street, Glasgow.
6019	A. Oct. 1910 F. July 1920	*PARKER, ARCHIE MONTGOMERY	46A, Gloucester Road, S.W.
567	A. Jan. 1880 F. Jan. 1888	PARKER, THE HON. CECIL THOMAS	The Grove, Corsham, Wiltshire.
1383	Mar. 1887	PARKER, CHARLES ALFRED . . .	49, Russell Square, W.C., and W. ham, Mortimer Place, Maldon, Essex.
5238	A. Oct. 1907 F. Dec. 1919	*PARKER, CHARLES GOODE . . .	Howarth, Banstead Road, Belmont Sutton, Surrey.
8834	Jan. 1922	PARKER, G.	Pulford, nr. Wrexham, North Wales.
1269	May 1885	PARKER, JOHN, A.M.I.C.E. . . .	Mansion House, Hereford.
5237	A. Oct. 1907 F. Dec. 1920	*PARKER, JOHN	L. & S.W. Rly. Rating Office, Addington Street, Waterloo Station, W.11.
4044	A. Oct. 1902 F. June 1908	*PARKHOUSE, SAMUEL	92, High Street, Notting Hill G.W.11.
4045	A. Oct. 1902 F. Oct. 1914	*PARKINSON, HERBERT	7, New Road, Chatham, Kent.
8117	Oct. 1920	*PARKINSON, JOSEPH	10, Victoria Street, Liverpool.
3876	A. Oct. 1901 F. May 1909	*PARNWELL, SIDNEY ARTHUR . .	Great Eastern Railway, Liverpool Street, E.C.
7976	Oct. 1919	PARR, EUSTACE TOLEFREE . . .	H.M. Office of Works, Storey's Gate, S.W.1.
4022	Mar. 1891	PARR, SAMUEL GEORGE	New Broad Street House, E.C.
5007	A. Oct. 1906 F. June 1912	*PARRATT, OSWALD ESTCOTT . . .	70, Lombard Street, E.C.3.
1679	A. Dec. 1889 F. Nov. 1893	*PARRIS, CHARLES JOHN	67, High Street, Tunbridge Wells, Kent.
4046	A. Oct. 1902 F. June 1908	*PARRY, ALBERT EDWARD	36, Endlesham Road, Balham, S.W.
7993	Oct. 1919	*§PARRY, JOHN OWEN	61, College Street, Ammanford, S. Wales.
1422	A. Dec. 1887 F. Mar. 1891	*PARRY, RICHARD, B.SC. (<i>London</i>), A.M.I.C.E.	35, Lincoln's Inn Fields, W.C.2.
1855	Nov. 1890	PARSONS, FREDERICK CECIL . . .	163, North Street, Brighton.
6801	A. Oct. 1912 F. Oct. 1913	*PARSONS, JOHN DOUGLAS	18, Charing Cross Road, W.C.
957	A. May 1883 F. Dec. 1888	PARSONS, ROBERT MAURICE PETERS	Misterton, Crewkerne, Somersetshire.
1897	A. Nov. 1890 F. Oct. 1894	*§PARTRIDGE, EDWARD JOHN . . .	Bank Chambers, 39, George Street, Epsom, Surrey, and 50, Lincoln's Fields, W.C.
5745	A. Oct. 1909 F. Apl. 1915	*PASCOE, JOHN BARRON	Cardigan Chambers, 6, College Street, Swansea.
8115	A. Oct. 1896 F. Mar. 1899	*PATCH, SHIRLEY HUTCHINS . .	The Chestnuts, Havelock Road, Acton, combe, Croydon.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1909 F. Oct. 1920 Oct. 1904	*PATCHING, EDWARD GLENCAIRN *PATERSON, JOHN SALMON	Room 325, 10, Whitehall Place, S.W.1 Valuation Department, Blackfriars House, Perth.
A. Oct. 1901 F. May 1909 Oct. 1921	*SPATON, DAVID LLEWELLYN .. PATTERSON, JOHN WILSON, MAJOR, B.E.	Westminster House, St. Peter's Road, Bournemouth. Valuation Office, Atlantic Buildings, Waring Street, Belfast.
A. Oct. 1908 F. June 1910 Oct. 1921	*PAUL, ANDREW *PAUL, HENRY	31, Essex Street, Strand, W.C.2. 22, Durham Road, Ealing, N.W.5. (Middlesex.)
A. May 1883 F. May 1888 Jan. 1882	*PAULL, ALAN PAYNE, FREDERICK	12, New Court, Carey Street, W.C. 10, Market Square, Bromley, Kent.
A. Oct. 1911 F. Oct. 1918 Oct. 1914	*PAYNTER, E. ERNEST W., N.D.A. (Hons.), N.D.D. PAYTON, EDMUND	18, Cathedral Yard, Exeter. 2, Mill Hill Road, Derby, and Crompton's Bank Chambers, Midland Road, Derby.
A. Oct. 1893 F. Jan. 1898	*PEARCE, FRED W.	Surveyor's Office, Town Hall, Twickenham, Middlesex.
A. Oct. 1911 F. Sep. 1919 A. Feb. 1906 F. Dec. 1920	*PEARCE, HUBERT WILLIE *PEARCE, WILLIAM HENRY, A.M.I.C.E.	1, Church Street, Wellington, Salop. Chief Engineer and Surveyor, Gibraltar.
Nov. 1891	PEARD, JOHN GRIGG	North Curry, near Taunton, Somersetshire.
A. Oct. 1908 F. Dec. 1920	*PEARMAN, FRANCIS MAY	District Commissioner's Office, Prudential Buildings, Dale Street, Liverpool.
A. Oct. 1896 F. Feb. 1901	*PEARSE, OCTAVIUS BURROUGHS	Foxhill, Dyott Road, Moseley, Birmingham.
A. Oct. 1902 F. Dec. 1904 Nov. 1891 Oct. 1919	*PEARSE, THOMAS WILLIAM PEARSE, WILLIAM PEARSON, JAMES MONIGOMERIE	The Green, Modbury, South Devon. Stoliford, Modbury, Devon. 51, John Finnie Street, Kilmarnock.
A. Oct. 1893 F. Jan. 1898	*PEARSON, T. HOWARD	Troston, Bury St. Edmund's.
A. Oct. 1912 F. June 1919	*PEARSON, WILLIAM	10, Grange Road, Dudley, Worcester-shire.
A. Oct. 1898 F. July 1907	*PEASE, CHARLES EDWARD	46, Lincoln's Inn Fields, W.C.
A. Oct. 1909 F. Apr. 1920 Jan. 1922	*PEAT, FREDERICK JAMES PEEBLES, JOSEPH	West View, Evesham Road, Reigate. Bedford Row Chambers, 42, Theobald's Road, W.C.
A. Oct. 1897 F. Sep. 1904	*PEEBLES, PHILIP	Shanghai Land Investment Co., Ltd., 2, Jinkee Road, Shanghai, China.
Nov. 1916	PEEL, EDWARD LAURENCE	5, Great College Street, S.W.
Nov. 1891	PEIRSON, GEORGE BRODRICK	Baldersby, Ripon, Yorkshire.
May 1891	PELLS, ARTHUR	9, London Road, Beccles, Suffolk.

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5244	A. Oct. 1907 F. July 1920	*\$PEMBERTON, BASIL CHARLES..	18, Errington Road, Colchester.
7332	A. Oct. 1913 F. Oct. 1920	*PENDERED, RICHARD DUDLEY	Redwell, Wellingborough, Northants.
4234	A. Oct. 1903 F. Dec. 1909	*PEPLER, GEORGE LIONEL	Ministry of Health, Whitehall, S.W.
7506	Oct. 1914	PERCY, RICHARD FREDERICK, M.I.M.E.	10, Ebers Road, Nottingham.
8101	Oct. 1920	PERKIN, HERBERT	17, Welldon Crescent, Harrow.
5011	A. Oct. 1906 F. Dec. 1920	*PERKINS, SAMUEL BARCLAY ..	25, Handen Road, Lee, S.E.
3721	A. Oct. 1900 F. Jan. 1908	*PERKS, HUGH EARL	2, St. Paul's Square, Bedford, 273, The Sanctuary, S.W.1.
1389	A. Apr. 1887 F. Oct. 1913	PERKS, SYDNEY, F.S.A., F.R.I.B.A.	The Guildhall, E.C.
2106	May 1911	PERRIAM, ALFRED JOSEPH ..	41, Quadrant Road, Thornton Heath.
4495	A. Oct. 1904 F. Apr. 1921	*PERRY, CHARLES WILLIAM ..	18, Spencer Avenue, Palmer's Green, N.13. (Middlesex.)
3579	A. Oct. 1899 F. June 1911	*PETCH, JOHN STONEHOUSE ..	Estate Office, Wentworth Castle, Barnsley, Yorkshire.
5012	A. Oct. 1906 F. Apr. 1919	*PETER, FRANCIS	Lealands, Wotton, Gloucester.
8836	Jan. 1922	PETERS, JAMES	11/12, Finsbury Square, E.C.2.
1252	Feb. 1885	*PETO, JAMES WINDER.. . . .	6, Market Place, Reading.
3881	A. Oct. 1901 F. Dec. 1902	*PETER, ALBERT EDWARD.. . .	1, Upper Belgrave Road, Clifton, Bristol.
5838	Oct. 1910	PHIBBS, HARRY, A.R.I.B.A. ..	Seveing Buildings, High Street, Lewes, Sussex.
8373	Oct. 1921	PHILIP, WILLIAM WATT	Lee & Carnwath Estates Office, Cartland Mains, Lanark.
1652	Dec. 1889	PHILLIPS, WILLIAM EDWIN ..	Eagle Chambers, Kingston-on-Thames, Surrey.
5245	A. Oct. 1907 F. Apr. 1921	*PHILLIPS, WILLIAM NEWTON	10, Abbots Walk, Reading.
4235	A. Oct. 1903 F. Oct. 1915	*\$†PHILPOT, CLIFFORD NEEDHAM..	Priests House, Flixton, Bungay, Suffolk.
6493	Oct. 1912	*PHIPPS, FREDRICK REGINALD ..	Room 90, Ministry of Transport, (Roads), 7, Whitehall Gdns., S.W.
5752	A. Oct. 1909 F. July 1921	*PIERCE, EDWARD LEMUEL .. .	Valuer's Office, Inland Revenue, Romford, Essex.
7754	Nov. 1918	PIERCE, WILLIAM	Shirley Estate Office, Carrickmacross, Dublin.
7908	A. Nov. 1918 F. Oct. 1920	*PIERPOINT, REGINALD	12, Tib Lane, Cross Street, Manchester.
968	A. May 1883 F. Nov. 1886	*†PILDITCH, SIR PHILIP EDWARD, M.P.	Old Bond Street House, 6-8, Old Bond Street, W.
3882	A. Oct. 1901 F. June 1910	*PILDITCH, WILLIAM THOMAS ..	4, Wellesley Court Road, Croydon.
6815	A. Oct. 1912 F. Mar. 1920	*PILLEY, HERBERT ANTHONY ROSSER	Milton Villa, Herschell Square, Canterbury, Kent.
4236	A. Oct. 1903 F. Apr. 1919	*PINCKNEY, HENRY CHRISTOPHER	Wilts County Council, 7, Fore Street, Trowbridge.

† Special Forestry Diploma.

† Special Sanitary Science Diploma.

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A. Nov. 1890 F. July 1901	*PINDER, RICHMOND	49, Upper Baker Street, N.W.
Jan. 1890	PINKS, EDWIN CHARLES	Parliament Mansions, Victoria St., S.W.
A. Oct. 1896 F. Oct. 1897	*PINNEY, FREDERICK WYLDBORE DIGBY	6, Waterloo Street, Birmingham.
A. Oct. 1901 F. Nov. 1908	*PINSENT, FRANCIS WINGFIELD HOMFRAY	Inland Revenue, Barclay's Bank Chambers, Plymouth.
A. Oct. 1900 F. Feb. 1919	*PINSON, GILBERT	Cobden Buildings, 67A, Corporation Street, Birmingham.
A. Oct. 1905 F. Jan. 1912	*PITT, JOSEPH HENRY	14, Harvist Road, Brondesbury Road, N.W. (Middlesex).
A. Oct. 1900 F. Sept. 1917	*PLANT, WILLIAM, A.M.I.C.E. ..	Borough Hall, Stafford.
Nov. 1918	*PLATT, FREDERICK WILLIAM ..	Housing Dept., Town Hall, Manchester.
A. Nov. 1918 F. Oct. 1920	*PLATT, JOHN CRAWFURD	18, Wolverton Gardens, W.6.
Jan. 1922	POPLE, A. W.	Royal Liver Buildings, Liverpool.
Nov. 1891	PORTER, JOHN MERRY	Estate Office, Colwyn Bay, North Wales.
A. Oct. 1906 F. Feb. 1908	*PORTER, OLIVER JOHN	62, Moorgate Street, E.C.2.
Oct. 1921	*PORTER, RICHARD EWHURST, M.C.	Rydal Estate Office, Ambleside, Westmorland.
A. Oct. 1903 F. Dec. 1920	*PORTER, SYDNEY LAWRANCE ..	7, John Street, Adelphi, W.C.2.
Feb. 1912	POTT, WALTER, O.B.E.	Warren Garth, Belmont, Surrey.
A. Jan. 1891 F. Nov. 1894	*POTTER, HERBERT GEORGE	47, Heath Street, Hampstead, N.W.
A. Oct. 1901 F. Nov. 1907	*POTTIER, GEORGE LOUIS	Wannock, Downs Court Road, Purley, Surrey.
Nov. 1890	POWELL, FREDERICK ATKINSON, F.R.I.B.A.	344, Kennington Road, S.E., and Agincourt Square, Monmouth.
A. Dec. 1883 F. Mar. 1891	POWELL, HUBERT JOHN	Hill Lodge, Lewes, Sussex.
A. Feb. 1874 F. Nov. 1880	POWELL, REGINALD HENRY	Estate Office, Lewes, Sussex.
A. Oct. 1906 F. July 1921	*POWELL, WALLACE GERALD	City Engineer's Office, Norwich.
A. Oct. 1905 F. Nov. 1913	*POWER, PERCY TOMES	c/o Gale, Power and Cumberland, Junction Station, Staines, Middlesex.
Oct. 1919	POWER-STEELE, WILLIAM	General Valuation Office, 5, Ely Place, Dublin.
A. Nov. 1892 F. June 1896	*PRALL, HERBERT ALEXANDER ..	150, Eastgate, Rochester, and 22, Lowfield Street, Dartford, Kent.
A. Feb. 1900 F. Oct. 1911	*PRATT, FRANK PERCY	23, Eastern Road, Romford, Essex.
A. Oct. 1907 F. Apr. 1919	*PRATT, JERMYN HAROLD	Estate Office, St. Giles, Salisbury.
A. Dec. 1888 F. Dec. 1892	*PRESTON, SAMUEL DAVID	Town Hall, Camberwell, S.E.
Jan. 1922	PRICE, MANSFIELD	Salatin, Sutton, Surrey.
A. Nov. 1892 F. Nov. 1895	*PRICE, RICHARD ARNOLD	103, High Street, Clapham, S.W.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5521	A. Oct. 1908 F. Apr. 1919	*PRICE, ROBERT HENRY, M.R.A.C.	Home Cottage, Richmond Avenue, Bognor, Sussex.
7755	Nov. 1918	PRICE, VICTOR THEOPHILUS, B.A.	3, Crosthwaite Park, Kingstown, Co. Dublin.
4500	A. Oct. 1904 F. May 1909	*PRICKARD, THOMAS FRANCIS VAUGHAN	Duchy of Lancaster Office, Lancaster Place, Strand, W.C.
2107	May 1891	PRIDMORE, ALBERT EDWARD ..	2, Broad Street Buildings, E.C.
1857	Nov. 1890	PRIDMORE, ARTHUR STIRLING ..	44, Bedford Row, W.C.1.
4055	A. Oct. 1902 F. Nov. 1908	*†\$PRITCHARD, HENRY A. ..	Castle Eaton, Cricklade, Wilts.
2708	A. Oct. 1894 F. Mar. 1899	*PRITCHARD, HERBERT ALFRED, M.B.E.	Valuer's Office, 13, St. Andrew's Church, Cardiff.
3629	A. Feb. 1900 F. Dec. 1903	*PROTHEROE, ALFRED ERNEST ..	67 and 68, Cheapside, E.C.
8839	Jan. 1, 1922	PROWER, ERNEST E. ..	13, South Square, Gray's Inn, W.C.
6353	A. Oct. 1911 F. Dec. 1918	*PROWSE, ALBERT EDWARD, M.B.E.	Lambton House, Birtley, Co. Durham.
4240	A. Oct. 1903 F. Oct. 1910	*PUDDICOMBE, WILLIAM PHIPPEN	Corporation Offices, Aberystwyth, Cardiganshire.
2686	A. Oct. 1894 F. Oct. 1900	*PUGH-JONES, DAVID ..	County Architect, County Hall, Cardiff, and Colchester Avenue, Cardiff, Glamorganshire.
1694	A. Jan. 1890 F. Feb. 1895	*PUNCHARD, FREDERICK BURT ..	Fairbank, Kirkby Lonsdale, W. Lancashire.
1080	A. Jan. 1884 F. Jan. 1889	PURCHASE, EDWARD KEYNES ..	20 and 22, Maddox Street, Regent Street, W.
3299	Feb. 1898	PURDIE, ANTHONY ..	241, West George Street, Glasgow.
5359	Feb. 1908	*PURSEY, CHARLES ..	Council Offices, Shepton Mallet, Somersetshire.
5373	Oct. 1908	PURVES, JAMES ..	Dunskey Estate Office, Portpatrick, N. Ireland.
2984	A. Oct. 1895 F. Jan. 1897	*PURVIS, CHARLES JAMES ..	417, New Cross Road, New Cross, S.E.
3120	A. Oct. 1896 F. Sep. 1903	*PYLE, BENJAMIN THOMAS RICE ..	Town Grove, Hatfield Heath, Herts. Essex.
8840	Jan. 1922	QUAIL, JOHN ..	171, Exploration Building, Commissioner Street, Johannesburg, S. Africa.
6355	A. Oct. 1911 F. Dec. 1921	*RACKHAM, HAROLD WILFRED ..	Engineer and Surveyor to Herts. R.D.C., Stanmore, Middlesex.
6356	A. Oct. 1911 F. June 1919	*RAE, THOMAS HERDMAN ..	10, Belle Vue Road, Sunderland.
3727	A. Oct. 1900 F. Nov. 1901	*RAFFETY, HAROLD VEZEY, O.B.E.	Underwood, Beaconsfield, Bucks.
2635	A. Feb. 1894 F. Oct. 1896	*RAFFETY, HERBERT WILLIAM ..	Valuation Department, Inland Revenue, Shrewsbury.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1904 F. July 1913 Feb. 1888	*RAFFETY, PERCY CHARLES .. RAIKES, GEORGE WHITTINGTON, COLONEL	30, High Street, High Wycombe, Bucks. Woodville, Leamington.
A. Oct. 1911 F. July 1921	*RALPHS, WALTER	880, Coventry Road, Small Heath, Birmingham.
Feb. 1908 Feb. 1908	RALSTON, ANDREW AGNEW, O.B.E. RALSTON, CHARLES WALLACE ..	Philpstoun House, West Lothian. Dabton, Thornhill, Dumfriesshire.
A. Oct. 1910 F. Apr. 1916	*RANDALL, AUGUSTINE ST. GEORGE	District Valuer's Office, Union Street, Coventry.
A. Oct. 1909 F. Apr. 1914	*RANDALL, ERNEST SMITH	Elm House, New Road, Chatham, Kent.
Feb. 1912	RANDALL, JOHN MORGAN	Dunraven Estate Office, Bridgend, Glamorganshire.
A. Oct. 1906 F. July 1912	*RANDALL, WILLIAM EDWARD RENWELL, JUN.	251, Maidstone Road, Rochester.
A. Oct. 1902 F. Feb. 1907	*RANDELL, FRANCIS WILLIAM ..	Frondeg, Langland, Swansea.
A. Oct. 1913 F. Dec. 1917	*RANKIN, HENRY ALEXANDER ..	County Assessor's Office, 92, Cadzow Street, Hamilton, N.B.
Oct. 1914 Jan. 1922	RANKINE, DAVID RAVEN, HENRY	238, West George Street, Glasgow. 3, Duke Street, Adelphi, W.C.2.
A. Oct. 1912 F. July 1921	*RAWLENCE, ARTHUR RAYMOND	Dyrham, Sherborne, Dorset.
A. Oct. 1904 F. June 1912 Feb. 1883	*RAWLENCE, DUNCAN ALFRED .. RAWLENCE, ERNEST ALFRED (Member of Council)	3A, Dean's Yard, Westminster, S.W. St. Andrew's, Churchfield, Salisbury.
A. Oct. 1906 F. Sep. 1919	*RAWLENCE, GEORGE NORMAN ..	c/o Rawlence & Squarey, Salisbury.
A. Oct. 1901 F. May 1910 Nov. 1890	*RAWLENCE, JAMES RAWLINS, HENRY ADAIR, A.R.I.B.A.	Estate Office, Wimborne, Dorsetshire. 10, Old Jewry Chambers, E.C.
Nov. 1891	RAWLINS, WILLIAM	45, King William Street, E.C.
A. Oct. 1907 F. Dec. 1915	*RAYMOND, WALTER LESLIE ..	The Estate Office, Golder's Green, N.W. (Middlesex).
Dec. 1888	REA, JOHN MARCUS BEAUMONT ..	8, Winckley Street, Preston, and Lytham, Lancashire.
Oct. 1921 Jan. 1922	REA, SINCLAIR STEVENSON .. READ, ERNEST JAMES	6, Ely Place, Dublin. 19, Basinghall Street, E.C.
A. Oct. 1903 F. June 1908	*READ, FRANCIS CHARLES JENNINGS	City Surveyor's Office, Guildhall, E.C.
Jan. 1922	READ, KENMUIR HARRY	A.E.C. School of Building, Educational Training Centre, Thorne Hill, Aldershot.
A. Oct. 1894 F. Sep. 1906	*READ, WALTER HERBERT	The Avenue, West Ealing, W. (Middlesex).
Jan. 1922	REEKES, CHARLES RUPERT ..	22, Buckingham Street, Strand, W.C.2

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7764	Nov. 1918	*REES, DAN JOHN ARTHUR, M.I.M.M., M.N.A.C.M.	Valuation Dept., Inland Revenue Birmingham.
7652	Nov. 1916	REES, ROBERT THOMAS	Glandare, Aberdare, Glam.
7573	Oct. 1915	*REES, THOMAS TALIESIN, F.R.I.B.A.	May Buildings, North John Street Liverpool.
584	Dec. 1880	REES, WILLIAM ANDREW	154, Croydon Road, Anerley, S. (Surrey).
7354	A. Oct. 1913 F. Mar. 1920	*REEVES, CHARLES WESTCOTT	Bramshaw, Uplands Park, Enfield Middlesex.
3121	A. Oct. 1896 F. Oct. 1897	*† REFFELL, CHARLES ARTHUR ..	Thorney, Ennismore Avenue, Guildford
6360	A. Oct. 1911 F. July 1921	*REID, EDWARD DECIMUS	7, Ashwood Terrace, Thornhill, S. Derland, Co. Durham.
4885	Oct. 1906	REMNAINT, ARCHIBALD CHARLES	H.M. Office of Works, 3, Central Buildings, Westminster, S.W.1, 185, Croydon Road, Anerley, S. (Surrey).
937	Apr. 1883	RENDELL, ARTHUR STEPHEN ..	Market Terrace, Newton Abbot, Devon
7678	Nov. 1916	*RENNIE, JOSEPH	River View, Errol, Perthshire.
3071	Oct. 1896	*RENTON, GEORGE	16, Albert Street, Harrogate, York shire.
5760	A. Oct. 1909 F. Apr. 1921	*RENTON, THEODORE ROLANDE VICTOR	Tenter Lodge, Knaresborough, York and 3, Princes Square, Harrogate
802	A. Apr. 1882 F. Jan. 1890	REX, FRANCIS HERBERT	311, Kentish Town Road, N.W.
5254	A. Oct. 1907 F. Oct. 1913	*REYNOLDS, ARTHUR HUGH ..	Incewood, Lyndhurst Road, Wallasey Cheshire, and 67, Lord Street, Liverpool.
7707	Oct. 1917	RHODES, HENRY	Lane End House, Rotherham, Yorks.
7010	Oct. 1913	*RHODES, JAMES NORMAN	Electra House, Finsbury Pavement E.C.
4507	A. Oct. 1904 F. Jan. 1912	*RICE, BENJAMIN LOUIS	26, Budge Row, E.C.
6034	A. Oct. 1910 F. June 1919	*RICE, EDWARD	15, Mostyn Road, Brixton Road, S.
453	A. May 1876 F. Dec. 1881	RICH, ROBERT	Didcot, Berks.
5524	A. Oct. 1908 F. Dec. 1919	*RICHARDS, ARTHUR WALTER TROLLOPE	15, Wontner Road, Balham, S.W.
2027	Mar. 1891	RICHARDS, GEORGE EDWARD ..	Stour Lodge, Wimborne, Dorset.
7011	Oct. 1913	*RICHARDS, JOHN	Llwyndern, Welshpool, Montgomery shire.
5255	A. Oct. 1907 F. Oct. 1909	*† RICHARDS, WALTER ROWE ..	1, Alexandra Villas, Finsbury Park N.4.
8845	Jan. 1922	RICHARDSON, ARNOLD RICHARD	Albion Chambers, King Street, Man- chester.
3122	A. Oct. 1896 F. Apr. 1901	*RICHARDSON, ARTHUR BAYLIFFE	4, Honey Lane Market, Cheapside E.C.2.
3553	A. Oct. 1899 F. Jan. 1922	RICHARDSON, ERNEST EDWARD	35, John Street, Bedford Row, W.

Date of Election and of Transfer	FELLOWS.	Address.
Feb. 1890	RICHARDSON, GEORGE	5, Lonsdale Street, Carlisle.
A. Oct. 1907	*RICHARDSON, JOHN STOCKS ..	Estate Office, Methley, Leeds.
F. Apr. 1913		
A. Nov. 1891	*RICHARDSON, OLIVER ARCHER ..	Sun Fire Office, 60, Charing Cross, S.W.
F. May 1892		
Apr. 1883	RIDDLE, FREDERICK HENRY BRIMBLE	Elston, 38, Stanthorpe Road, Streatham, S.W.
A. Oct. 1906	*RIDER, SYDNEY FRANKLIN ..	132, Ladbroke Grove, Notting Hill, W.10.
F. Jan. 1912		
A. Oct. 1899	*RIDLEY, PERCY EDWARD	Fire Offices Committee, 65 & 66, Watling Street, E.C.
F. June 1900		
Jan. 1922	RIDOUT, HAROLD	11, Duke Street, St. James, S.W.1.
Oct. 1915	RIGBY, THOMAS H.	Leaders Buildings, King Street, Wigan, Lancs.
Mar. 1891	RIGDEN, FRANCIS	Salisbury.
A. Oct. 1909	*RIGGALL, JABEZ ALLAN ..	Uppingham House, Spalding, Lincs.
F. Apr. 1920		
A. Oct. 1909	*RIGHTON, CHARLES SHIRT	18, Market Street, Marple, Cheshire.
F. June 1914		
Dec. 1888	RIGHTON, EDWARD GRANTHAM ..	High Street, Evesham, Worcestershire.
Jan. 1922	RILEY, HENRY	11, Victoria Street, Westminster, S.W.1.
Oct. 1904	*RIMMER, JOHN STANISLAUS ..	48, Castle Street, Liverpool.
A. Oct. 1902	*RIPPENGAL, ARTHUR HENRY ..	Brentwood, Essex.
F. Dec. 1910		
A. Oct. 1915	*RITCHIE, HUGH VICTOR ORMISTON	Stocken H. 11, Stretton, Oakham.
F. Dec. 1919		
Feb. 1899	ROBB, WILLIAM JOHNSTON ..	196, St. Vincent Street, Glasgow.
Oct. 1920	ROBERTON, JAMES	Morebattle Lofts, Kelso.
A. Jan. 1876	ROBERTS, CHARLES QUINCEY ..	17, Bedford Row, W.C.
F. Nov. 1890	ROBERTS, DAVID ALAN	20, Highbury, Jesmond, Newcastle-on-Tyne.
Jan. 1922		
A. Oct. 1900	*ROBERTS, JOHN, N.D.A.	Maestegfryn, Towyn, Merionethshire.
F. Oct. 1910		
A. Feb. 1913	*ROBERTS, JOHN HUBERT, CAPT.	61, Wind Street, Swansea.
F. July 1918		
A. Oct. 1905	*ROBERTSON, CLEMENT ALBERT ..	75, Chancery Lane, W.C.
F. Apr. 1911		
A. Oct. 1910	*ROBERTSON, WILLIAM ANDREW	The Rosary, East Leake, Notts.
F. Apr. 1919		
A. Feb. 1882	ROBEY, ROBERT	Oaklands, East Tytherley, Romsey, Hants.
F. May 1891		
A. Feb. 1892	*ROBINS, PHILIP SEYMOUR	12A, Waterloo Place, Pall Mall, S.W.
F. Nov. 1895		
A. Oct. 1912	*ROBINSON, ALFRED KEON ..	Victoria Chambers, 87, Victoria Street, Grimsby, Lincs.
F. Oct. 1920		
Nov. 1891	ROBINSON, GEORGE EDWARD ..	7, Tacketts Street, Blackburn, Lancashire.
A. Nov. 1891	*ROBINSON, HENRY HERBERT ..	37, Bedford Row, W.C.
F. Oct. 1894		
A. Oct. 1905	*ROBINSON, JAMES CHARLES EVITT	Marsh Leys, Kempston, Bedford.
F. Nov. 1913		
Jan. 1922	ROBINSON, PARKER	22, Pembroke Gardens, W.2.
A. Oct. 1897	*ROBINSON, THEODORE RICHARD	Brunswick Lodge, Dunton Green, Kent.
F. Oct. 1898		

Dip. No.	Date of Election and of Transfer	FELLOWS.	Address.
7361	A. Oct. 1913 F. July 1920	*ROBSON, JOHN TEMPLE ..	Alnwick U.D.C., Alnwick, Northumberland.
6364	A. Oct. 1911 F. Oct. 1913	*ROBSON, WALTER	30, Honister Avenue, Newcastle-Tynes.
2863	Sep. 1895	ROCHFORD, WILLIAM	Cahir Abbey, Cahir, Co. Tipperary.
8374	Oct. 1921	RODGER, JAMES	Keir Estate Office, Dunblane.
1747	Feb. 1890	RODHAM, JOHN	16, Finkle Street, Stockton-on-Tees Durham.
8850	Jan. 1922	ROE, ROBERT BENSON.	Kingscourt, Wellington Place, Belfast.
6038	A. Oct. 1910 F. June 1914	*ROFF, HENRY GRIFFITHS	1, Cross Street, Barnstaple, Devon
7674	Oct. 1915	*ROGERS, ARTHUR CECIL	521, Barking Road, Plaistow, (Essex).
6441	Feb. 1912	ROGERS, ARTHUR MECHELEN, MAJOR, S.R.E.S.	c/o Cox & Co., Charing Cross, S.W.
4245	A. Oct. 1903 F. Oct. 1910	*ROGERS, FREDERIC JAMES ..	Windsor House, 83, Kingsway, W.C.
3125	A. Oct. 1896 F. June 1897	*ROGERS, HORACE MORDAUNT ..	37, Bruton Street, W.1.
4784	A. Oct. 1905 F. Oct. 1913	*ROGERS, LEONARD SAMUEL ..	6, Park Lane Mansions, Croydon.
4513	A. Oct. 1904 F. June 1912	*ROGERS, MONTAGU STANLEY ..	78, Gloucester Road, South Kensington, S.W.
7363	A. Oct. 1915 F. Dec. 1919	*ROGERS, VIVIAN BARRY, MAJOR, D.S.O., M.C.	50, Belgrave Road, Westminster S.W.1.
969	A. May 1883 F. Jan. 1889	*§ ROLLESTON, WILLIAM GUSTAVUS STANHOPE	Grey Friars, Leicester.
8375	Oct. 1921	RONALD, DAVID	Chief Engineer, Scottish Board Health, Edinburgh.
1344	A. Dec. 1886 F. Nov. 1887	*§ ROODS, ALFRED	37, Bedford Row, W.C.
3126	A. Oct. 1896 F. May 1900	*§ ROOK, JOSEPH TAYLOR	22, Chatsworth Square, Carlisle.
8851	Jan. 1922	ROOKWOOD, JOSEPH	25, Bedford Row, W.C.1.
7012	Oct. 1913	*ROPER, ROBERT GARWOOD ..	23, Hart Street, Bloomsbury, W.C.
4515	A. Oct. 1904 F. Oct. 1910	*ROSS, PERCY HAVERY	8, Lancaster Place, Strand, W.C.
8852	Jan. 1922	ROWE, A. E. P.	46, Rothbury Terrace, Heaton, Newcastle-on-Tyne.
6365	A. Oct. 1911 F. Dec. 1921	*ROWETT, FREDERICK JOSEPH LANCASTER	Valuation Office, 29, Romford Road Stratford, E.15 (Essex).
3335	Oct. 1898	*ROWLAND, JOSEPH SAMUEL ..	190, Station St., Burton-on-Trent, Staffs.
3586	A. Oct. 1899 F. Nov. 1904	*ROWLANDSON, SAMUEL MESSITER, MAJOR	The College, Durham.
8853	Jan. 1922	ROWSE, ANTHONY	117, Colmore Row, Birmingham
2114	May 1891	ROYCE, DAVID NEEDHAM	Oakham, Rutland.
5360	A. Feb. 1908 F. Oct. 1920	*ROYDS, GEORGE FREEMAN ..	
2 029	A. Oct. 1900 F. Nov. 1908	RUAULT, JOHN GUSTAVE PETER	17, Southampton St., Bloomsbury,
5766	A. Oct. 1908 F. Sep. 1919	*§ RUBENS, HARRY ISAAC	21, Liverpool Street, E.C.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1900 F. Nov. 1908 A. Oct. 1910 F. Dec. 1920	*RUDDLE, FREDERICK CHARLES.. *RUDLER, FREDERICK GEORGE	Rates Department, Treasury, S.W. Piercefield, Ennerdale Road, Richmond, Surrey.
A. May 1883 F. Jan. 1890 A. Oct. 1903 F. May 1917 A. Dec. 1873 F. Nov. 1875	*RUNDLE, EDWARD COLLINS .. *RUSH, ARTHUR LESLIE RUSHWORTH, EDMUND WALTER (Member of Council)	Bedford Office, Tavistock, Devon. 65, High Street, Tunbridge Wells. 22, Savile Row, W.
A. Feb. 1913 F. Oct. 1914	*RUSSELL, FREDERICK JAMES ..	c/o J. and W. Heathcote, The Mart, Derby.
A. Oct. 1903 F. Nov. 1913 Oct. 1921 Jan. 1889	*RUSSELL, HUMPHREY GLADSTONE RUSSELL, NELSON RUTHERFORD, JAMES AUGUSTINE	Jewry House, 28, Old Jewry, E.C. 64, Royal Avenue, Belfast. Estate Office, Highclere Park, Newbury.
A. Feb. 1901 F. Nov. 1912	*RUTLEY, ARTHUR DENNETT ..	Estate Office, Woldingham Station, Surrey.
May 1890 Oct. 1904 Oct. 1921	RUTLEY, FRANK RUTTLEDGE, THOMAS F. RYAN, JOHN	11, Dowgate Hill, E.C. Rossmally, Westport, Co. Mayo. 6, Ely Place, Dublin.
A. Dec. 1876 F. Nov. 1880	RYDE, ARTHUR LYON (Past-President)	49 and 50, Parliament Street, S.W.
A. Oct. 1905 F. Oct. 1918	*RYDE, EDWARD HUMPHREY NOEL	49 and 50, Parliament Street, S.W.
A. Oct. 1907 F. Mar. 1920	*RYLAND, LORENCE	72, Clifden Road, Twickenham, Middlesex.
A. Dec. 1883 F. Feb. 1910	SABIN, JOSEPH HENRY (President)	7, Little College Street, Westminster Abbey, S.W.
A. Dec. 1884 F. May 1894	*SADLER, GEORGE WILLIAM, A.R.I.B.A.	Duchy of Lancaster Office, Lancaster Place, W.C.
A. Oct. 1902 F. Dec. 1921	*SAINSBURY, WILLIAM CHARLES..	165, Westbourne Terrace, W.
A. Oct. 1913 F. Feb. 1918	*ST. JOHN, LOUIS FREDERICK, CAPT.	11, St. Helen's Place, E.C.3.
A. Oct. 1903 F. June 1912	*SALMON, JOSEPH HAROLD, M.B.E.	Valuer's Department, 5, Lyndhurst Road, Peckham, S.E.
Oct. 1920	*SALMOND, STEWART	11, Wyatt Park Road, Streatham Hill, S.W.2
Oct. 1912	*SALMOND, WILLIAM	6, High Street, Dundee.
Apr. 1890	SAMPLE, CHAS. HERBERT, O.B.E., B.A. (Cantab.)	29, Grainger Street West, Newcastle-on-Tyne.
Apr. 1890	SAMPLE, WILLIAM COLLINGS ..	Tritlington Hall, Morpeth, Northumberland.
Oct. 1913	SAMSON, DAVID THOMAS	Seafeld Estate Office, Cullen, Banffshire.
A. Oct. 1919 F. Oct. 1920	*§SAMSON, HORACE LUCAS ..	County Land Agent, Cross Street, Peterborough, Northants.

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1384	Mar. 1887	SAMUEL, WILLIAM JOHN	42, Mill Street, Bedford.
6846	A. Oct. 1912 F. Mar. 1920	*SAMUEL, WILLIAM WILFRID, F.G.S.	5, Beechwood Road, Swansea.
2116	May 1891	SANCTUARY, CAMPBELL FORTES- CUE STAPLETON	Bridport, Dorset.
6847	A. Oct. 1912 F. Dec. 1918	*SANCTUARY, CAMPBELL THOMAS, CAPT.	Bridport, Dorset.
3589	A. Oct. 1899 F. Oct. 1909	*SANDELL, STANLEY LUNAU ..	816, High Road, Tottenham, N. (Middlesex).
4063	A. Oct. 1902 F. Nov. 1903	*SANDERS, INGALTON	Midland Bank Chambers, 165, High Street, Southampton.
2868	Sep. 1895	SANDERS, ROBERT MASSY DAWSON	Sanders Park, Charleville, Co. Cork and 29, St. James's Square, S.W.
5853	Oct. 1910	*SANDERSON, WILLIAM WAITE, C.B.E.	3 & 5, Mosley Street, Newcastle-on- Tyne, and Beaconsfield, Grantham Road, Sutton, Surrey.
2987	A. Oct. 1895 F. Mar. 1899	*SANDFORD, CHARLES SIDNEY ..	St. James Street, Sheffield.
3937	A. Feb. 1902 F. Dec. 1920	*†SANDS, HUBERT COVELL, Lic.R.I.B.A.	Amhurst, Guibal Road, Lee, S.E.
6475	Oct. 1912	SANDYS, HENRY	Dargle, Enniskerry, Co. Wicklow.
4116	A. Feb. 1903 F. Oct. 1913	*SANSOM, WILLIE STANLEY VENN	23, Ireton Road, Colchester.
4521	A. Oct. 1904 F. Nov. 1912	*SARGANT, FRANK ELLISON ..	90, North Side, Wandsworth Comm. S.W.
4522	A. Oct. 1904 F. Apr. 1911	*SAUNDERS, ARTHUR PERCIVAL ..	Messrs. Collins & Collins, 37, South Audley Street, W.
1696	A. Jan. 1890 F. Nov. 1892	*SAUNDERS, CHARLES HERBERT ..	150, Finchley Road, Hampstead, N.
3731	A. Oct. 1900 F. July 1918	*SAUNDERS, EDGAR WALTER ..	23, Eastern Road, Romford, Essex.
8402	Oct. 1921	*SAUNDERS, FREDERIC	3, Staple Inn, W.C.1.
2382	Nov. 1891	SAUNDERS, MARTIN L., A.R.I.B.A.	4, Coleman Street, E.C.
8854	Jan. 1922	SAVAGE, JOSEPH	1, Mosley Street, Newcastle-on-Tyne.
782	A. Mar. 1882 F. Mar. 1889	SAVILL, ALFRED	Hill House, Dilham, Norwich.
1902	A. Nov. 1890 F. Aug. 1893	*SAVILL, SIR EDWIN, O.B.E. (Vice-President)	51, Lincoln's Inn Fields, W.C.2.
4589	A. Feb. 1905 F. July 1907	*§SAVILL, HENRY NORMAN ..	51, Lincoln's Inn Fields, W.C.2.
2711	A. Oct. 1894 F. June 1904	*†SAWYER, JOHN ASHTON ..	Shortacre, Park Road, Winchester.
6045	A. Oct. 1910 F. Dec. 1918	*SAYER, HARVEY ROBERT, A.R.I.B.A., A.M.I.C.E.	4, Holles Street, Cavendish Square, W.1.
8855	Jan. 1922	SAYER, HENRY TAYLOR	81, Kent House Road, Sydenham, S.E.26.
5533	A. Oct. 1908 F. Dec. 1920	*SCARLETT, JOHN WALTER, JUN.	5, Cecil Square, Margate.
7691	A. Nov. 1916 F. Mar. 1920	*§SCHOFIELD, ALFRED	37, Hall Gate, Doncaster.
2713	A. Oct. 1894 F. Oct. 1899	*SCOTT, ARCHIBALD LACY ..	Bridge House, Long Melford, Suffolk.
7712	Oct. 1917	SCOTT, CRAWFORD ALLEN ..	Estate Office, Bearsden, Dumbarton.

† Special Sanitary Science Diploma.

‡ Special Forestry Diploma.

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Oct. 1915	*SCOTT, JAMES	48, Dean Street, Newcastle-on-Tyne.
A. Oct. 1903	*SCOTT, JOHN	4, Mosley Street, Newcastle-on-Tyne.
F. May 1910		
Sep. 1895	SCOTT, JOHN RUSSELL	Willsboro', Londonderry.
Jan. 1922	SCOTT, WILLIAM HERBERT	18, Queen Street, Cardiff.
Oct. 1921	SCRIMGEOUR, JOHN	Doune Estate Office, Doune, Perthshire.
A. Feb. 1882	SCRIVEN, CHARLES HERBERT	Watlington, Grange Road, Lewes.
F. Mar. 1889		
Oct. 1894	*SCRUBY, WILLIAM THOMAS	29, St. Andrew's Street, Cambridge.
A. Oct. 1896	*SECKER, JOHN EUSTACE	Daresbury, Warrington, Lancashire.
F. Oct. 1899		
A. Oct. 1907	*SEDGWICK, PERCY GEORGE	1, Lewisham Hill, S.E.
F. Oct. 1911		
A. Oct. 1897	*SEEL, ROBERT HAROLD	Theatre Royal Chambers, Cardiff, Glamorganshire.
F. Jan. 1902		
Nov. 1918	SELBY, ERNEST HARRY	Caxton House, Westminster, S.W.1.
A. Oct. 1911	*SELWYN, WILLIAM INGRAM	Estate Office, Addington Street, Waterloo Station, S.E.
F. Oct. 1913		
Nov. 1890	SENIOR, HARRY SAMUEL	Sturminster Newton, Dorset.
A. Oct. 1896	*SEXTON, GEORGE ALEXANDER	Bank Chambers, 42, High Road, Kilburn N.W.
F. June 1897		
A. Jan. 1884	SHACKLE, EDWARD NEILD	25, Mount Street, Grosvenor Square, W.
F. Mar. 1891		
Oct. 1920	SHARP, JAMES DANIEL, CAPT.	Headquarters, Scottish Command, 65, Cockburn Street, Edinburgh.
Feb. 1898	SHARP, JOHN GRANT	172, Buchanan Street, Glasgow.
A. Oct. 1907	*SHAW, CHARLES WILLIAM	Church Street Chambers, Dewsbury, Yorkshire.
F. Apl. 1915		
Jan. 1922	SHAW, CHRISTOPHER PEARSON	Esk Dale, Bingham, Nottingham.
A. Oct. 1897	*SHEARBURN, HARRY, B.A. (<i>Cantab.</i>)	Munstead, Godalming, Surrey.
F. Oct. 1898		
Jan. 1922	SHEARBURN, WILLIAM	39, South Street, Dorking.
Oct. 1917	*SHEFFIELD, NOEL DENNIS	9, Denman Street, London Bridge, S.E.1.
Oct. 1921	SHELLARD, THOMAS VINCENT	23, South Frederick Street, Dublin.
May 1890	SHELMERDINE, HENRY	59, Albert Road, Southport, Lanes.
A. Oct. 1905	*SHEPHARD, JOSEPH ERNEST	274 & 275, Upper Street, Islington, N.
F. Nov. 1913		
A. Oct. 1912	*SHEPHERD, WILLIAM, CAPT.	Valuation Department, Edinburgh Counties, 53, Hanover Street, Edinburgh.
F. Nov. 1917		
Jan. 1922	SHEPHERD, WILLIAM	128, Disraeli Road, East Putney, S.W.
Nov. 1916	SHEPPARD, VIVIAN LEE OSBORNE	The Survey of Egypt, Giza, Egypt.
A. Nov. 1918	*SHERLOCK, EDWARD DENTON	25, Lever Street, Manchester.
F. Dec. 1901		
A. Oct. 1904	*SHERWIN, HENRY EDWARD	7, Little College Street, Westminster, S.W.
F. Oct. 1915		
A. Jan. 1882	SHERWIN, JOSEPH HENRY	7, Little College Street, Westminster, S.W.
F. Dec. 1887		
A. Oct. 1912	*SHINER, FREDERIC WALTER	Farley, Palmer's Avenue, Gray's, Essex.
F. Oct. 1920		

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4121	Oct. 1903	SHORT, ERNEST WILLIAM GEORGE, MAJ., C.B.E. A.R.I.B.A., S.R.E.S.	R.E. Office. Bulford Camp, Salisbury Plain.
5833	A. Feb. 1910 F. July 1920	*SHORT, JOHN RODWELL	35, Aldermay Road, Bromley, Kent.
7373	A. Oct. 1913 F. Dec. 1920	*SHORTALL, JOHN FRANCIS ..	District Office of Works, Mallo Co. Cork.
7576	Oct. 1915	*SHOWERS, FRANCIS WILLIAM ..	General Manager's Office, Great Western Railway, Paddington, W.2.
2988	A. Oct. 1895 F. June 1900	*SHUFFLEBOTHAM, JOHN HENRY ..	Staplegrave, Taunton, Somerset.
4126	Oct. 1903	*SILCOCK, EDWARD JOHN, M.I.C.E.	17, Victoria Street, S.W.1, and Park Row, Leeds.
604	A. Jan. 1881 F. May 1883	*SILCOCK, THOMAS BALL, B.SC. (Lond.)	26, Green Park, Bath.
3860	Jan. 1922	SILK, CHRISTOPHER	33, Newhall Street, Birmingham.
4850	Feb. 1906	SILVESTER, GEORGE	7, Adam Street, Strand, W.C.
3074	A. Oct. 1919 F. Dec. 1921	*SILVESTER, SIDNEY BARTLETT ..	"Kinlough," Purley Downs Road, Purley, Surrey.
811	A. May 1882 F. Nov. 1889	SIMMONS, CHARLES FRANKLIN ..	Basingstoke, Hants, and Henley-on-Thames, Oxfordshire.
6856	A. Oct. 1912 F. Nov. 1913	*†SIMMONS, EDGAR JOHN	Station Place, Letchworth, Herts.
824	A. Nov. 1882 F. Aug. 1891	SIMMONS, SIR W. ANKER, K.B.E.	Henley-on-Thames, Oxfordshire, and Basingstoke, Hants.
5820	Feb. 1910	SIMPSON, CECIL JOHN WILLIAM ..	H.M. Office of Works, Parliament Square, Edinburgh.
1486	May 1888	SIMPSON, ROBERT THOMAS	Horsecroft, Bury St. Edmunds, Suffolk.
2546	A. Nov. 1892 F. May 1897	*SKIPPER, HENRY HERBERT, M.B.E.	Civil Engineer-in-Chief's Dept., Army Block South, Admiralty, S.W.
3052	A. June 1896 F. Oct. 1898	*SKRIMSHIRE, SAMUEL	32-34, Theobalds Road, W.C.1.
3425	A. Oct. 1898 F. Feb. 1901	*SKUES, CHARLES AYRE MAC-KENZIE	Ye Haven, Hockering Road, Woking, Surrey.
7532	A. Oct. 1914 F. Apr. 1919	*SLADE, ARNOLD	Valuation Department, Lincoln's Fields, W.C.
2388	Nov. 1891	SLADE, JAMES BENJAMIN	67 and 68, Cheapside, E.C.
5822	Feb. 1910	*SLATER, ERIC ARNOLD	Town Hall, Colchester, Essex.
8861	Jan. 1922	SLATER, JAMES DENCH	2, John Street, Bedford Row, W.C.
2638	A. Feb. 1894 F. Feb. 1900	*SLY, JOSEPH TOWNSON	Estate Agency Offices, Rickmansworth, Herts.
4529	A. Oct. 1904 F. July 1920	*SMALL, LEONARD JOHN	Surveyor's Office, Farnborough, near Orpington, Kent.
4067	A. Oct. 1902 F. July 1913	*SMALLEY, WILLIAM	Floraville, 12, Beacon Hill, Camden Road, N.
5031	A. Oct. 1906 F. Apr. 1911	*SMALLMAN, HENRY RICHARD GEORGE STRONG	8, Queen Street, Cheapside, E.C.
6126	Oct. 1911	SMART, JAMES	11, Clydesdale Road, W.11.
6861	A. Oct. 1912 F. Apr. 1916	*SMITH, ALFRED EDWARD	51c, Dawson Street, Dublin.

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A. Oct. 1902 F. Jan. 1908	*SMITH, ARTHUR TELFORD	15, Cheapside, Bradford, Yorkshire.
A. Oct. 1895 F. Oct. 1900	*SMITH, CHARLES GORDON	56, Cannon Street, E.C.
A. Oct. 1902 F. May 1906 May 1889	*†SMITH, CYRIL HERBERT SMITH, EDWARD	Chippenham, Wiltshire. Carlton House, 68, Great Queen Street, Kingsway, W.C.
A. Oct. 1904 F. Dec. 1921 Apr. 1888	*SMITH, ERNEST EDWARD SMITH, FRANK	37, Shepherd's Lane, Dartford, Kent. 104, Colmore Row, Birmingham.
Nov. 1891	SMITH, FRANK ADAMS, F.R.I.B.A.	35, New Broad Street, E.C.
A. Oct. 1893 F. July 1895	SMITH, FRANK BRAYBROOKE ..	School of Agriculture, Cambridge.
A. Dec. 1888 F. Jan. 1890	*SMITH, FRANK WILLIAM	Beauchamp Hill, Milverton, Leamington, Warwickshire.
Nov. 1891	SMITH, FREDERICK JOHN	21, Portland Street, Southampton.
May 1891	SMITH, GEORGE ALFRED	78, Parchment Street, Winchester.
A. Oct. 1898 F. Dec. 1920	*SMITH, GEORGE HENRY	1, Worcester Road, Wimbledon, S.W. (Surrey.)
Sep. 1895	SMITH, GEORGE YOUNG	Stradowan, Omagh, Co. Tyrone.
Oct. 1921	*SMITH, GORDON WINTON MACKLIN	Brookfield, Neeld Crescent, Hendon, N.W.4. (Middlesex.)
Jan. 1922	SMITH, HENRY	37, High Holborn, W.C.1.
A. Oct. 1901 F. Oct. 1918	*SMITH, HUBERT GEORGE	Boughton Monchelsea, Maidstone.
A. Oct. 1903 F. June 1912	*SMITH, HUGH	Auction Land and Estate Office, St. Peter's Road, Broadstairs, Kent.
May 1888	SMITH, JOHN THOMPSON	34, John Dalton Street, Manchester.
Oct. 1910	*SMITH, JONAH WALKER	Ministry of Health, Whitehall, S.W.1.
May 1891	SMITH, PERCY PYNE CALDECOTT, O.B.E.	C.E. in Chief's Department, Admiralty, S.W.1.
A. Oct. 1901 F. Jan. 1907	*SMITH, QUENTIN CULLEN, R.G.A. (S.R.)	Market Place, N. Walsham, and High Street, Mundesley, Norfolk.
Oct. 1906	SMITH, ROBERT	Cranstoun-Riddell, Ford, Midlothian.
May 1890	SMITH, SIDNEY	Southwater, Horsham, Sussex.
A. Oct. 1909 F. June 1915	*SMITH, SIDNEY	Carlton House, 68, Great Queen Street, W.C.
A. Oct. 1902 F. Jan. 1908	*SMITH, STANLEY ADDISON, MAJOR	Trinity Buildings, New Bridge Street, Newcastle-on-Tyne.
A. Oct. 1897 F. Nov. 1900	*SMITH, SYDNEY ARTHUR	22, Chancery Lane, W.C.
Feb. 1906	SMITH, THOMAS	The Castle, Maybole, Ayrshire.
Jan. 1922	SMITH, WALTER HENRY	18, High Street, Maidstone.
Jan. 1922	SMYTH, JOHN HENRY	Granville House, Arundel Street, Strand, W.C.2.
Feb. 1887	SMYTH-RICHARDS, GEORGE COB- LEY, O.B.E. (<i>Member of Council</i>)	Estate Office, Castle Hill, near South Molton, Devonshire.
A. Oct. 1904 F. Nov. 1912	*SNEATH, FRANK EDGAR	Granville House, 3, Arundel Street, Strand, W.C.

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7619	A. Oct. 1915 F. July 1916	*SOAR, ARTHUR COBDEN	Dilkusha, Park Road, Cheam, Surrey
7387	A. Oct. 1913 F. Oct. 1915	*SOLOMONS, ERNEST ALBERT ..	1, Gray's Inn Place, W.C.
5279	A. Oct. 1907 F. Oct. 1910	*SOUTH, ARTHUR EDWARD	1, Victoria Road, Darlington.
2991	A. Oct. 1895 F. Oct. 1900	*SOUTHORN, CHARLES HERBERT ..	38, The Parade, Leamington Spa Warwickshire.
2607	A. Oct. 1893 F. Nov. 1896	*SOWELS, WILLIAM CLOWES	Preston Capes, Byfield, Northamptonshire.
6148	Oct. 1911	*SPAIN, JOSEPH	The Nook, East Boldon, S.O., Durham.
4266	A. Oct. 1903 F. Apr. 1911	*SPARKE, NORMAN LUSH	c/o Shanghai Land Investment Company, 2, Jin Kee Road, Shanghai via Siberia.
7524	Oct. 1914	*SPEED, WILLIAM ROBERT SYDNEY	25, Darlington Street, Wolverhampton Staffs.
7746	Nov. 1918	SPEIRS, ARCHIBALD	74, Canning Street, Glasgow.
8865	Jan. 1922	SPENCER, GEORGE	79, Gresham Street, E.C.
4534	A. Oct. 1904 F. Apr. 1911	*SPENSLEY, JAMES CALVERT, O.B.E.	L.C.C. Estates Office, 9, Spring Gardens, S.W.1.
6869	A. Oct. 1912 F. June 1915	*SPICER, ARTHUR CHARLES	Valuation Office, 16, Valley Bridge Road, Scarborough.
5539	A. Oct. 1908 F. Feb. 1919	*SPOONER, HERBERT JOHN	55, Woodcote Road, Wanstead, Essex.
8866	Jan. 1922	SPRAGUE, A. J. H.	104, High Holborn, W.C.1.
4268	A. Oct. 1903 F. Dec 1914	*SPYER, GEORGE, O.B.E.	321-323, Finchley Road, Hampstead N.W.3.
1822	May 1890	SQUAREY, NEWELL WILLIAM PITTS	Bemerton, Salisbury.
1277	Dec. 1885	STACEY, HARRIE	Station Road, Redhill, Surrey
4805	A. Oct. 1905 F. Sep. 1910	*STACEY, MICHAEL BEDE	Gresham Buildings, Redhill, Surrey
7709	Oct. 1917	STALEY, FRANK GEOFFREY, CAPT., R.E.	Roads Department, Ministry of Transport, Whitehall, S.W.1.
2393	Nov. 1891	STALLARD, ALFRED EDWIN	West Street, Havant, Hants.
2394	Nov. 1891	STALLARD, WILLIAM	St. John's House, St. John's, Worcester and Worcester Chambers, Worcester
5037	A. Oct. 1906 F. July 1921	*STAMPER, THOMAS HENRY GILBORN	Assistant Surveyor to Govt. of Bombay, Poona, Bombay Presidency
6870	A. Oct. 1912 F. Apr. 1920	*STANBRIDGE, ARCHIBALD ROBERT	22, Watery Lane, Merton Park S.W.19 (Surrey)
2992	A. Oct. 1895 F. Mar. 1899	*STANDEN, ARTHUR CARNEGIE ..	11, Southampton Row, High Holborn, W.C.
2395	Nov. 1891	STANFORD, CHARLES MAURICE ..	23, High Street, Colchester, Essex.
3269	A. Oct. 1897 F. July 1901	*STANFORD, GEORGE	3A, Dean's Yard, Westminster, S.W. and 102, Wokingham Road, Reading
2120	May 1891	STANHAM, GEORGE GORDON	26 & 27, Bush Lane, Cannon Street, E.C.
7479	Oct. 1914	STANLEY, HARRY MERRIDEW ..	50, Threadneedle Street, E.C.

Date of Election and of Transfer.	FELLOWS.	Address.
Jan. 1888	STANLEY-DODGSON, STANLEY DICKINSON	Estate Office, Somerset House, Whitehaven, Cumberland.
Jan. 1922	STANTIAL, F. C.	Borough Architect's Office, Swansea.
A. Oct. 1898 F. Nov. 1908	*STANTON, FREDERICK WILLIAM SCHULTHEISS, LIEUT.-COL., A.M.I.C.E., F.R.I.B.A.	Maidstone Road, Chatham.
A. Oct. 1893 F. Oct. 1894	*STAPLEDON, ERNEST ALLEN . .	Bridge Chambers, Bideford, North Devon
A. Oct. 1900 F. Dec. 1919	*STEAD, EDWARD JOHN, A.M.I.C.E.	County Surveyor's Office, 49, High Street, Weston-super-Mare.
A. Oct. 1910 F. July 1921	*STEEL, ALEXANDER MCKEAND	The Holt, South Road, Taunton.
Nov. 1918	STEEL, JAMES, M.A.	502, St. Vincent Street, Glasgow.
Jan. 1877	STENNING, SIR ALEXANDER ROSE F.R.I.B.A. (<i>Past-President</i>) . .	121, Cannon Street, E.C.
Jan. 1922	STEPHEN, JAMES EMIL	Mollington, Chester.
A. Oct. 1901 F. Jan. 1907	*STEPHENS, JOHN KYLE	13, Donegall Square North, Belfast.
Oct. 1904	STEPHENS, SAMUEL	13, Donegall Square North, Belfast.
Oct. 1904	STEPHENS, WILLIAM HENRY . . .	13, Donegall Square North, Belfast.
Oct. 1921	STEPHENSON, GEORGE	Falcon Court, 32, Fleet Street, E.C.
A. Oct. 1909 F. June 1919	*STEVENS, BENJAMIN	20, Cornfield Road, Eastbourne.
May 1890	STEVENS, CHARLES VIVIAN . . .	56, Buckingham Gate, Victoria Street, Westminster, S.W.
Nov. 1891	STEVENS, JOHN WM., A.R.I.B.A.	16, Godliman Street, Queen Victoria Street, E.C.
A. Oct. 1905 F. June 1914	*STEVENS, NICHOLAS RICHARD . .	1, Alexandra Villas, Finsbury Park, N.
A. Oct. 1907 F. July 1919	*STEVENS, WILLIAM FREDERICK HOOD	7, Hobart Place, Grosvenor Gardens, S.W.1.
A. Oct. 1913 F. Sep. 1919	*STEVENS, WILMOT DRIFFIELD . .	Land Valuation Department, 16, Valley Bridge Parade, Scarborough.
Oct. 1897	STEVENSON, ALLAN	14, Cathcart Street, Ayr, N.B.
Oct. 1919	STEVENSON, ARTHUR GAVIN . .	Estate Agent, North Eastern Railway, York.
A. Jan. 1882 F. Oct. 1915	STEVENSON, FREDERICK JOHN . .	The Bath Club, 34, Dover Street, W.1
A. Oct. 1903 F. Oct. 1910	*STEWART, CLIFFORD THOMAS . .	45, Parliament Street, S.W.
Oct. 1921	STEWART, HERBERT ARTHUR	45, Parliament Street, S.W.1.
Sep. 1895	STEWART, RIGHT HONBLE. GEORGE FRANCIS (<i>Past-President</i>)	Summerhill, Killiney, Co. Dublin.
A. Oct. 1903 F. Apr. 1914	*STEWART, HARRY S., A.R.I.B.A. .	Ministry of Health, Whitehall, S.W., and Bracken Hill, Limpsfield, Surrey.
A. Oct. 1900 F. July 1901	*STEWART, HENRY PAKENHAM . .	6, Leinster Street, Dublin.
Nov. 1918	STEWART, JAMES BUNTING . . .	228, Cambridge Street, Glasgow.
Oct. 1920	*STEWART, MARSHALL SOPHOS	28, Fisher Street, Swansea.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
8393	Oct. 1921	STEWART, PAKENHAM THOMAS	Valuation Office, Cork.
7986	Oct. 1919	STEWART, ROBERT HENRY RYNN	6, Leinster Street, Dublin.
3121	May 1891	STOCKS, FREDERICK WILLIAM ..	Town Hall Chambers, Middlewich, Cheshire.
7577	Oct. 1915	*STONE, ARNOLD	P.W.D., Bathurst, Gambia, Africa.
3738	A. Oct. 1900 F. Oct. 1920	*†STONE, CYRIL FRANK	Lyngate, Belmont Road, Reigate, Surrey.
3543	A. Oct. 1908 F. June 1910	*STONE, EDWARD ALBERT	131, Regent Street, W.I.
2909	A. Oct. 1901 F. Jan. 1912	*STONE, FREDERIC	Estate Office, Elsham, Grimsby, Lin.
5782	A. Oct. 1909 F. July 1920	*STONE, HENRY WALCOTT	Lloyd Bank Chambers, North Street, Taunton, Somersetshire.
3272	A. Oct. 1897 F. July 1907	*STONEHAM, EDWARD RUSSELL..	Orchard House, Crayford, Kent.
654	Dec. 1881	STONER, ALFRED	Blenheim Hotel, Marlborough Place, Brighton.
8364	Oct. 1921	STONER, ALFRED HILLS	63-4, New Broad Street, E.C.
4075	A. Oct. 1902 F. Jan. 1906	*†STOOKE, JOHN EDWIN HELLYAR	2, Palace Yard, Hereford.
2399	Nov. 1891	STOPHER, THOMAS	Winchester.
5283	A. Oct. 1907 F. Feb. 1918	*STOPS, HERBERT JACKSON	Wood Burcote Court, Towcester.
6495	Oct. 1912	*STORY, PHILIP FRANCIS, LT.-COL., D.S.O.	19, Northampton Square, E.C.1.
4537	A. Oct. 1904 F. Dec. 1910	*STRACHAN, CHARLES JOHN	62, Haverstock Hill, N.W.3.
7621	A. Oct. 1915 F. July 1921	*STRICKLAND, WILLIAM	London Road, Hungerford, Berks.
2993	A. Oct. 1896 F. June 1898	*STROUTS, LEWIS HERBERT	23, Oakdale Road, Streatham, S.W.
415	A. Dec. 1875 F. June 1891	STRUTT, THE HON. EDWARD GERALD, C.H. (<i>Past-President</i>)	49, Russell Square, W.C., and Whitelands, Hatfield Peverel, Witham, Essex.
6876	A. Oct. 1912 F. Mar. 1920	*STUART, FRANCIS DONALD	Valuation Office, 1, Victoria Road, Darlington, Durham.
7756	Nov. 1918	STUDDERT, LOFTUS ADAM	Glenwood, Sixmile Bridge, Co. Clare.
1235	A. Dec. 1884 F. Oct. 1911	STURGE, THEODORE	11, Orchard Street, Bristol.
3779	Oct. 1901	*STURT, CHARLES EDWIN	16, St. Stephen's Gardens, East Twickenham, Middlesex.
6877	A. Oct. 1912 F. Dec. 1919	*SUDDARDS, FRANK	Exchange Buildings, Skipton-in-Craven, Yorks.
6476	Oct. 1912	SULLIVAN, WILLIAM C. L.	60, South Mall, Cork.
5285	A. Oct. 1907 F. Nov. 1916	*SUMMERFIELD, HORACE	Overdale, Wherwell Road, Guildford.
5786	A. Oct. 1909 F. June 1914	*SUTCLIFFE, ALBERT JAMES	10, Victoria Street, Liverpool.
3594	A. Oct. 1899 F. Mar. 1904	*SUTCLIFFE, JAMES HENRY	"Carr Field," Suddenham, S.O., Yorks.
3108	Oct. 1920	SUTHERLAND, JOHN DONALD	11, Inverleith Row, Edinburgh.
3432	A. Oct. 1898 F. Nov. 1900	*SUTTON, FREDERICK STANLEY ..	9, Stone Buildings, Lincoln's Inn, W.C. and St. Peter's, Hatch End, Middlesex.

Date of Election and of Transfer	FELLOWS.	Address.
A. Dec. 1887 F. Feb. 1892 Sep. 1895	SWETENHAM, HENRY	49, North Gate Street, Chester.
A. Oct. 1911 F. June 1919	SWINEY, WILLIAM D.	Moyagh, Ramelton, Co. Donegal.
A. Oct. 1902 F. Apr. 1908	*SYKES, WILFRED ELSWORTH ..	"Ashfield," Hessle, nr. Hull, Yorks.
A. Oct. 1906 F. Mar. 1920	*SYMMONS, PERCY JAMES	37, Cranhurst Gardens, Willesden Green, N.W. (Middlesex).
A. Oct. 1910 F. June 1919	*SSYMONS, GILBERT GEORGE, M.C.	Messrs. Barker, Coppack & Wickham, St. Werburgh's Chambers, Chester.
Sep. 1895	*SYMS, REGINALD HARDY, MAJOR	Rosmore, Spring Grove, Isleworth, Middlesex.
	SYNGE, EDWARD	Estate Office, Dundrum, Dublin.
A. Oct. 1903 F. May 1917	*TAIT, WILLIAM IRONSIDE, CAPT.	Roads Department, Central House, 75, New Street, Birmingham.
A. Nov. 1918 F. Dec. 1919	*TALBOT, JOHN HENRY	Needwood House, Laurel House, Fairfield, Liverpool.
Feb. 1898	TANNAHILL, ROBERT DUNLOP ..	Lands Valuation Office, Kilmarnock.
A. Oct. 1912 F. Sep. 1919 May 1886	*TANNER, ARTHUR RALPH TANNER, SIR HENRY, C.B., I.S.O., F.R.I.B.A.	46, Lincoln's Inn Fields, W.C. Carlton Chambers, 12, Regent Street, S.W.
A. Oct. 1901 F. Apr. 1914	*TANNER, RUDOLPH	74, Erpingham Road, Putney, S.W.15
A. Nov. 1918 F. July 1921	*TANSLEY, DAVID THOMAS ..	City Surveyor's Office, Town Hall, Manchester.
Nov. 1918	TAPP, WILLIAM HARRY, CAPT., M.C.	12, Haddon Street, Regent Street, W.1.
Jan. 1922	TARRANT, HENRY GEORGE ..	35, Heath Street, Hampstead, N.W.3.
A. Oct. 1907 F. Apr. 1913 Jan. 1922	*TAYLOR, ALFRED CECIL TAYLOR, ARTHUR F.	3, King Street, Cheapside, E.C. 3, Woodfield Road, King's Heath, Birmingham.
Nov. 1891	TAYLOR, ARTHUR WILLIAM ..	159, High Street, Putney, S.W.
A. Oct. 1910 F. Apl. 1913	*TAYLOR, DAVID HENRY	14, Stanley Avenue, Beckenham.
A. Oct. 1902 F. Jan. 1911	*TAYLOR, EDWIN THURLOW ..	Endsleigh, South Drive, St. Anne's-on-Sea.
A. Oct. 1910 F. Dec. 1919	*TAYLOR, FRANK GEOFFREY ..	8, Montague Road, Edgbaston, Birmingham.
A. Oct. 1915 F. Dec. 1920	*TAYLOR, FREDERIC DENNISON	Melbourne House, Portsmouth Road, Kingston-on-Thames.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
5789	A. Oct. 1909 F. Apr. 1921	*TAYLOR, GEORGE D. . . .	Chestnut Cottage, Market Hill, A magh.
5871	Jan. 1922	TAYLOR, GEORGE SYLVESTER . .	Queen's College, Paradise Street Birmingham.
2548	A. Nov. 1892 F. Nov. 1895	*TAYLOR, HARRY WILLIAM, A.M.I.C.E.	Cathedral Buildings, Dean Street, Ne castle-on-Tyne.
5289	A. Oct. 1907 F. July 1920	*TAYLOR, JOHN HENLEY . .	Ingleside, Golden Manor, Hanwo W. (Middlesex).
1471	A. Mar. 1888	TAYLOR, JOHN HERBERT . . .	Turners Hill, Sussex.
4276	A. Oct. 1903 F. Oct. 1910	TAYLOR, JOHN JAMES	11, Little College Street, Westminst S.W.
4873	A. Feb. 1906 F. Dec. 1919	*TAYLOR, THOMAS OSBORNE . .	25, Grand Avenue, Muswell Hill, (Middlesex).
2407	Nov. 1891	TAYLOR, THOMAS WALTERS . .	17, Stretford Road, Manchester, S.W.
3740	A. Oct. 1900 F. Oct. 1910	*TAYLOR, WILLIAM HENRY . .	23, King Street, Nottingham.
6881	A. Oct. 1912 F. Dec. 1920	*TAYLOR, WILLIAM JOHN PALMER	25, Clare Street, Bristol.
6389	A. Oct. 1911 F. Nov. 1916	†§TAYLOR, WILLIAM LING . . .	Division Office V., The Forestry Co mission, 35, Belgrave Square, S.W.
4812	A. Oct. 1905 F. Oct. 1920	*TEARE, JOSEPH ERNEST . . .	17, Farrant Street, Douglas, Isle Man.
2639	A. Feb. 1894 F. Oct. 1894	*TEE, SAMUEL CLIFFORD . . .	50, Moorgate Street, E.C.
2469	A. Nov. 1891 F. Oct. 1894	*TEMPLE, FREDERICK WILSON . .	69, Sandgate Road, Folkestone, Ken
3906	A. Oct. 1901 F. May 1910	*TERRY, ARTHUR ELLIOTT . . .	District Valuer's Office, 18, Bennet Hill, Birmingham.
4080	A. Oct. 1902 F. May 1909	*TERRY, ERNEST FAIRCHILD . .	Engamer, 19, St. Matthew's Aven Surbiton, Surrey.
3597	A. Oct. 1899 F. Jan. 1912	*§TERRY, FRANK TREACHER . .	107, Victoria Street, S.W.
7509	Oct. 1914	THACKER, SIDNEY LEONARD . .	39, Union Street, Walsall, Staffs.
2610	A. Oct. 1893 F. Oct. 1898	*THEAKSTON, WILLIAM PEASE, M.B.E.	Huntingdon.
3053	A. June 1896 F. June 1898	*THEOBALD, JOHN MEDOWS . .	96, Gower Street, W.C. 1.
5290	A. Oct. 1907 F. Nov. 1909	*THIRLAWAY, ROBERT	Jesmond Cottage, Winchester Ro Southampton.
7717	Oct. 1917	*THOMAS, ARTHUR LLOYD, M.B.E.	23, Gelliwastad Road, Pontyprid S. Wales.
3434	A. Oct. 1898 F. Jan. 1901	*§THOMAS, CHARLES JOHN HOWELL	Inland Revenue, Somerset House, W
7741	Nov. 1918	THOMAS, ERNEST	C.E. in Chief's Department, H. Dockyard, Gibraltar.
1765	Mar. 1890	THOMAS, GLEGGE	Cheshire Lines Committee, Cent Station, Liverpool.
2719	A. Oct. 1894 F. July 1901	*THOMAS, ILLTYD	17, Quay Street, Cardiff, Glamorgan

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1910 F. Apr. 1919 Jan. 1922	*THOMAS, ROBERT ROGERS... .. THOMAS, SAMUEL	36, Bryn Road, Swansea. 9, South Parade, Manchester.
A. Oct. 1906 F. Oct. 1914 Dec. 1882	*THOMERSON, ALBERT THOMPSON, ARTHUR EDMUND ..	9, Finsbury Square, E.C. Leadenhall Buildings, E.C.
A. Oct. 1912 F. June 1919	*THOMPSON, CHARLES WILLIAM WARD, A.R.I.B.A.	Bank Chambers, High Street, Rochester.
Nov. 1918	THOMPSON, CHRISTOPHER	18, Wood Street, Bolton, Lancashire.
Oct. 1911	*THOMPSON, EDWARD HORACE ..	Southernhav. Hook, Surbiton, Surrey.
Nov. 1891	THOMPSON, FRANCIS WILLIAM ..	Ash Lawn, Heaton, Bolton, Lancashire.
Nov. 1918	THOMPSON, FRANK COWBURN ..	H.M. Office of Works, King Charles Street, S.W.1.
A. Oct. 1911 F. July 1918	*THOMSON, CHARLTON, MAJOR ..	5, Cook Street, Liverpool.
A. Oct. 1904 F. Oct. 1910	*THOMSON, JOHN LORIMER... ..	Valuer's Department, 31, Albert Square, Dundee.
Jan. 1922	THORNE, EDWARD ALEXANDER	259, Lauderdale Mansions, Maida Vale, W.
A. Oct. 1909 F. Oct. 1913	*THORNE, HARMAN	Civil Works, Basrah, Mesopotamia.
A. Feb. 1904 F. May 1910	*THORNTON, ARTHUR BRUCE ..	Corner House, London Lane, Bromley, Kent.
Oct. 1902	*THORP, ROBERT HAYTON	Land of Green Ginger, Hull.
A. Feb. 1882 F. Nov. 1889	THORPE, CHRISTOPHER	20, Clarence Road, Chesterfield, Derby- shire.
May 1891	THORPE, JOHN	Market Bosworth, Leicestershire.
A. Oct. 1894 F. July 1895	*THRING, DOUGLAS THEODORE ..	Merton College, Oxford.
A. Feb. 1892 F. Nov. 1900	*THURGOOD, ALBERT EDWARD ..	Valuer's Office, 8, Southsea Terrace, Portsmouth.
A. Oct. 1899 F. Jan. 1922	THURGOOD, LEONARD FIELDER	18, Adam Street, Strand, W.C.2.
A. Dec. 1880 F. Nov. 1887	THURNALL, JOHN EDWARD ..	Royston, Herts.
Jan. 1884	THYNNE, GUY HARRY... ..	9, Victoria Street, S.W.
A. Oct. 1905 F. Nov. 1913	*THYNNE, REGINALD LAMBERT ..	9, Victoria Street, S.W.
A. Oct. 1910 F. July 1916	*TICKLE, ARTHUR GEORGE WARNHAM, F.R.I.B.A.	Architectural Office, Public Works Dept., Hong Kong.
Feb. 1887	TINDALL, CHARLES WILLIAM ..	Wainfleet, S.O., Lincolnshire.
Oct. 1915	*TINKER, HAROLD	23, John William Street, Huddersfield, Yorks.
A. Nov. 1918 F. Mar. 1920	*TINSLAY, THOMAS PERCIVAL	26, Wilfred Street, Buckingham Gate, S.W.1
A. Oct. 1904 F. Apr. 1911	*TITFORD, HORACE JAMES... ..	Messrs. Waterer and Dickins, 138, High Street, Bromley, Kent.
Jan. 1885	TODD, WILLIAM HENRY, M.I.C.E.	County Buildings, Hull.
A. Feb. 1902 F. June 1912	*TOMLIN, FRANCIS FERRIER ..	Chase Bank, Avenue Road, Old Southgate, N.

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1438	Jan. 1888	TOMLINSON, THOMAS H. . . .	2, St. James's Street, Derby.
2550	A. Nov. 1892 F. Feb. 1896	*TORY, JOHN EDWARD	Valuation Department, 51, Queen Street Exeter.
447	Apr. 1876	TOWER, BROWNLOW RICHARD CHRISTOPHER	Bridgewater Estate Office, Ellesmere Salop.
2763	A. Mar. 1895 F. Oct. 1898	*TOWNEND, WILLIAM	Valuation Office, Inland Revenue, 52, Westgate Road, Newcastle-on-Tyne.
6477	Oct. 1912	TOWNSEND, GEORGE C. . . .	Ordangan Manor, Tipperary.
2890	Sep. 1895	TOWNSHEND, CHARLES LOFTUS . .	15, Molesworth Street, Dublin.
2893	Sep. 1895	TOWNSHEND, THOMAS LOFTUS . .	15, Molesworth Street, Dublin.
6400	A. Oct. 1911 F. Apr. 1914	*TRACY, CHARLES FREDERICK . .	308, Brixton Hill, S.W.
2414	Nov. 1891	TRAFFORD, FREDERICK CHARLES	100, Jermyn Street, St. James's, S.W.
8276	A. Oct. 1897 F. May 1903	*TREHEARNE, ALFRED FREDERICK ALDRIDGE	83, Kingsway, W.C.2.
7977	Oct. 1919	TRENCH, GILBERT MACKENZIE	Deputy Police Surveyor, New Scotland Yard, S.W.1.
3487	A. Oct. 1898 F. Nov. 1901	*TRENT, WILLIAM EDWARD . . .	6, Broad Street Place, E.C.
2415	Nov. 1891	TREPLIN, ERNEST C. . . .	20, Gloucester Place, Portman Square, W.1.
5047	A. Oct. 1906 F. Nov. 1914	*TRESIDDER, HENRY EDMUND . .	24, Marlborough Road, Falmouth, Cornwall.
592	A. Dec. 1880 F. Jan. 1891	TROLLOPE, HENRY CHARLES . .	45, Parliament Street, S.W.1.
1131	A. Mar. 1884 F. Aug. 1891	TRUMPER, JOHN ALFRED	27, Lincoln's Inn Fields, W.C.
2040	Mar. 1891	TUBBS, WALTER BURNELL	27, Barbican, E.C.
2470	A. Nov. 1891 F. Jan. 1896	*TUCKETT, PERCIVAL FOX	2, Basinghall Street, E.C.
8874	Jan. 1922	TUDOR, WILLIAM	2, Wellington Place, Belfast.
4818	A. Oct. 1905 F. Apr. 1911	*†TURNER, BENJAMIN GEORGE . .	Wingrove House, Walmer, Kent.
7610	Oct. 1914	TURNER, DAVID NEVILLE	26, Low Pavement, Nottingham.
6496	Oct. 1912	*TURNER, FRED WETHERELL . . .	32, Coton End, Warwick.
8875	Jan. 1922	TURNER, GEORGE ELI	P.O. Box 658, Pretoria, South Africa.
8876	Jan. 1922	TURNER, HAMILTON HALL	75, Victoria Street, Westminster, S.W.1.
5297	A. Oct. 1907 F. June 1919	*TURNER, HAROLD ERNEST . . .	Union Chambers, Stamford Street, Ashton-under-Lyne.
3909	A. Oct. 1901 F. Oct. 1919	TURNER, JABEZ TENNYSON . . .	Works Department, H.M. Dockyard, Portsmouth.
1866	Nov. 1890	TURNER, JOSEPH HARLING, C.B.E.	Portland Estate Offices, Kilmarnock.
1520	Dec. 1888	TURNER, THOMAS WARNER	Langwith Lodge, Mansfield, Notts.
7899	A. Oct. 1912 F. Sep. 1919	*TURPIN, WILFRID	Gibbs Chambers, 52, Westgate Road, Newcastle-on-Tyne.
1867	Nov. 1890	TURTON, EDWARD JAMES	Horkstow, Barton-on-Humber, Lincolnshire.

Date of Election and of Transfer	FELLOWS.	Address.
Oct. 1904	TURTON, FLETCHER THOMAS ..	Hazel Bank, Huyton, Liverpool.
Oct. 1898	*TUTT, EDWIN THOMAS	Market Place, Ampthill, Beds.
Jan. 1922	TYAS, FREDERICK C.	64, Streatham High Road, S.W.16.
A. Jan. 1890	*TYLER, JAMES WILLIAM	45, Holborn Viaduct, E.C.
F. Aug. 1893		
A. Oct. 1899	*TYPE, MARCUS OSWALD	87, Edmund Street, Birmingham.
F. Dec. 1905		
A. Feb. 1906	*TYSER, GRAFTON LESLIE ..	38, Clifton Hill, N.W.
F. July 1920		
Jan. 1922	UNDERWOOD, WILLIAM ERNEST	1, Northumberland Buildings, Bath.
A. Oct. 1900	*UPSDALE, ANDREW REED	738, Romford Road, Manor Park, Essex, and 11, Granville Road, Ilford, Essex.
F. July 1901		
Oct. 1914	VACHELL, THEODORE	Tredegar Chambers, Newport, Mon.
A. Feb. 1889	*VALE, HENRY	16, Darlington Street, Wolverhampton, Staffs.
F. June 1910		
A. Oct. 1912	*VARNDELL, CHARLES EDWARD, F.R.I.B.A.	23, Park Crescent, Regent's Park, N.W.
F. Oct. 1913		
Nov. 1918	*VAUGHAN, JAMES HENRY, A.R.I.B.A.	Metropolitan Bank Chambers, Newport, Mon.
A. Oct. 1903	*VEALE, LOUIS CHARLES	72, Finsbury Pavement, E.C.
F. Apr. 1911		
A. Oct. 1906	*§VENNING, HARRY JOHN, A.R.I.B.A.	5, Bedford Row, W.C.
F. June 1919	*VERNON, ARTHUR (<i>Past-President</i>)	The Rockery, High Wycombe, Bucks, and 11, Queen Victoria Street, E.C.
Feb. 1876		
A. Oct. 1905	*VERNON, ARTHUR STANLEY ..	41, High Street, High Wycombe, Bucks, and 11, Queen Victoria Street, E.C.
F. June 1906		
Sep. 1895	VERNON, FANE	Pembroke Estate Office, Wilton Place, Dublin.
Nov. 1891	†VERNON-INKPEN, GEORGE CHAS.	40, Commercial Road, Portsmouth.
Sep. 1895	VERSCHOYLE, WILLIAM HENRY FOSTER	Woodley, Dundrum, Co. Dublin.
A. Oct. 1902	*VICKERS, ALFRED CRANSTOUN ..	10, Crofts Lea Park, Ilfracombe.
F. Nov. 1903		
A. Oct. 1903	*VIGERS, ASTLEY ALLAN	4, Frederick's Place, E.C.
F. June 1910		
A. Oct. 1909	*VIGERS, GEOFFREY LESLIE	4, Frederick's Place, E.C.
F. Apl. 1915	VIGERS, LESLIE ROBERT (<i>Past-</i> <i>President</i>)	4, Frederick's Place, E.C.
A. Jan. 1878		
F. Oct. 1883	VILLAR, JAMES	2, Essex Place, Cheltenham, Gloucester- shire.
Nov. 1888		

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6086	A. Oct. 1910	*VINE, WILFRID GORDON	6, George Street, Euston Road, N.V.
4822	F. July 1918 A. Oct. 1905 F. Feb. 1919	*†VINING, ERIC LESLIE RANDALL	97, Queen Street, Exeter.
2994	A. Oct. 1895 F. Dec. 1898	*VINTEN, HAROLD BERTRAM	72, High Street, Ramsgate, Kent.
4555	A. Oct. 1904 F. Mar. 1920	*VOYCE, JOHN	3, Toleman Avenue, Lower Bebington, Cheshire.
1601	Mar. 1889	WACHER, THOMAS	Upper Bridge Street, Canterbury.
2748	A. Oct. 1900 F. June 1908	*WACHER, THOMAS BLAKE	2, Upper Bridge Street, Canterbury.
6905	A. Oct. 1912 F. Oct. 1913	*WADE-DALTON, WILLIAM LECH-MERE	Saltram Estate Office, 1, Buckland Terrace, Plymouth.
8880	Jan. 1922	WAGGETT, THOMAS FREDERICK WILLIAM	6, Carlton Chambers, 12, Regent Street, S.W.
8879	Jan. 1922	WAGHORN, GILBERT	9, Adam Street, Adelphi, W.C.2.
5549	A. Oct. 1908 F. Dec. 1918	*WAGSTAFF, FREDERICK HOWARD	54, Gresham Street, E.C.2.
1618	Apr. 1889	WAGSTAFFE, THOMAS ROGERS ..	22, New Park Road, Southbourne, Hants.
1699	A. Jan. 1890 F. Oct. 1910	WAIN, GEORGE SPARROW	Valuer's Office, 72, Clifden Road, Twickenham, Middlesex.
843	Dec. 1882	WAINWRIGHT, CHARLES RAWLINSON	Shepton Mallet, Somerset.
8404	Oct. 1921	*WAITE, DONALD MOWBRAY	4, Holles Street, W.1.
5098	Oct. 1907	*WAKEFORD, ARTHUR JAMES	184, Clapham Road, S.W.
8881	Jan. 1922	WALDER, WILLIAM GASKIN	"Wave Crest," Looe, Cornwall.
8882	Jan. 1922	WALDER, W. S.	6, Queen Anne's Gate, Westminster, S.W.1.
2995	A. Oct. 1895 F. June 1906	*WALDRAM, PERCY JOHN	Robin's Croft, Second Avenue, Hendon, N.W.4. (Middlesex).
7512	Oct. 1914	WALES, HENRY T.	Prudential Chambers, Castle Street, Swansea.
5050	A. Oct. 1906 F. Apr. 1913	*WALFORD, EDWARD	Fieldcote, East Grinstead, Sussex.
6127	Oct. 1911	WALKER, ALEXANDER, C.B.E.	249, George Street, Glasgow.
8377	Oct. 1921	WALKER, GEORGE BROWN	65, Bath Street, Glasgow.
7425	A. Oct. 1913 F. June 1919	*WALKER, GEORGE DUTTON	City Surveyor's Office, Town Hall, Manchester.
743	Feb. 1882	WALKER, HERBERT, M.I.C.E., F.R.I.B.A.	408, Mansfield Road, Nottingham.
4813	A. Feb. 1904 F. Jan. 1909	*WALKER, HOWARD JAMES	33A, King Street, Wigan, Lancs.
4286	A. Oct. 1903 F. Oct. 1909	*WALKER, JAMES WILLIAM BOYD	Pahang Para Rubber Syndicate, L. Atbara Estate, Kuantan, Pahang, F.M.S.
8486	Feb. 1899	WALKER, JOHN	74, Bath Street, Glasgow.
1773	Mar. 1890	WALKER, JOSHUA	Bridge Offices, Bridgegate, Retford, No.

Date of Election and of Transfer.	FELLOWS.	Address.
Dec. 1881	WALKER, SAMUEL	22, Moorgate Street, E.C.
A. Oct. 1910 F. Nov. 1916	*WALL, JOHN ERNEST	Northcote, Alexandra Road, Malvern.
Jan. 1922	WALLACE, ANDREW LOGIE	19, Deri Road, Cardiff.
Feb. 1899	WALLACE, THOMAS DOUGLAS	Callendar Estate Office, Falkirk, N.B.
A. Oct. 1905 F. Sep. 1919	*WALLER, HORACE	7, Amersham Hill, High Wycombe, Bucks.
A. Dec. 1883 F. May 1897	*WALLIS, JOHN DAVID (Vice-President)	Stanecliff, Disley, Cheshire.
Feb. 1915	WALLWORK, JESSE	Bridgewater Offices, Walkden, Manchester.
A. Oct. 1909 F. Dec. 1919	*WALMESLEY-COTHAM, IVAN	Leigh Estate Office, 31A, King Street, Wigan, Lanes.
Mar. 1882	WALMSLEY, ARTHUR THOMAS, M.I.C.E.	Harbour Board Offices, Dover, Kent.
Mar. 1891	WALMSLEY, JOSEPH WILLIAM, F.R.I.B.A.	7, King's Terrace, Southsea, Hants.
Feb. 1898	WALMSLEY, ARTHUR TINDAL, MAJOR	5, Osborne Villas, Stoke, Devonport.
A. Oct. 1900 F. Sep. 1904	*WALSH, FREDERICK LEOPOLD MORFEE, CAPT.	Garrick Chambers, Garrick Street, W.C.2.
A. Oct. 1904 F. Dec. 1920	*WALSH, FREDERICK WILLIAM	18, Shoot-up Hill, Hampstead, N.W.
Oct. 1908	*WALSH, JOSEPH FREDERICK	Museum Chambers, Halifax.
A. Oct. 1900 F. Dec. 1902	*WALTER, THOMAS JAMES	Gervis Place, Bournemouth, Hampshire.
Oct. 1919	WALTERS, THE RIGHT HON. SIR JOHN TUDOR, M.P.	4, Stone Buildings, Lincoln's Inn, W.C.2.
A. Oct. 1913 F. July 1921	*WALTON, ARTHUR ATKINSON	Exchange Walk, Nottingham.
A. Oct. 1910 F. June 1916	*WAPSHOTT, FRANCIS ELLISS	Office of Housing Commissioner, 8, Buckingham Gate, S.W.1.
A. Feb. 1913 F. Apr. 1920	*WARD, ALEXANDER HENRY	Cumerrew, Yelverton R.S.O., Devon
Jan. 1922	WARD, CHRISTOPHER JAMES	Cefn Mably Chambers, 9, Quay Street, Cardiff.
Dec. 1887	WARD, DANIEL	Brooklands, Tavistock, Devon.
Mar. 1888	WARD, FRANK	Burnville, Tavistock, North Devon.
A. Oct. 1915 F. Sep. 1919	*WARD, HARRY BERNARD	Commerce Chambers, 15, Lord Street, Liverpool.
A. Oct. 1901 F. Nov. 1902	*WARD, HENRY PAYNE	"Burleigh," Reigate Road, Redhill, Surrey.
Jan. 1922	WARD, JOHN C.	2, New Court, Carey Street, W.C.2.
Oct. 1906 F. Nov. 1912	*WARD, REGINALD CHARLES	23, Princes Street, Ipswich.
Oct. 1914	WARD, WILLIAM JAMES	2, Wellington Place, Belfast
Jan. 1922	WARE, EDMUND	43, Imperial Buildings, 20, Exchange Street East, Liverpool.
Oct. 1915	WARE, WILLIAM	6, Pembroke Terrace, Cardiff.

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
3603	A. Oct. 1899 F. July 1901	*§WARMINGTON, HERBERT ANDREW CROMARTIE	1, Dover Street, Piccadilly, W., and Grange Estate Office, Alresford, Hampshire.
1632	Nov. 1889	WARNER, HENRY	Farringdon, Alton, Hants.
5855	Oct. 1910	*WARR, GEORGE WALTER	Town Hall, Southwick, Sussex.
3282	A. Oct. 1897	WARWICK, GEORGE ERNEST ..	General Valuation Office, 6, Ely Place, Dublin.
3946	F. Oct. 1902		
4558	A. Oct. 1904 F. July 1907	*WATERMAN, BERTIE EDWARD ..	Elm Cottage, Oakfield Lane, Dartford, Kent.
3752	A. Oct. 1900 F. July 1921	*WATERS, FRANK	30, Cattle Market Street, Norwich.
5856	Oct. 1910	*WATERS, FREDERICK EBENEZER	Secretary's Office, G.P.O., E.C.
758	A. Feb. 1882 F. Mar. 1887	WATERS, WILLIAM RICHARD ..	c/o Chancellors, Richmond, Surrey.
4824	A. Oct. 1905 F. Nov. 1913	*WATKINS, HAROLD ALFRED ..	Harpewood, Mount Pleasant, Woking, Surrey.
8365	Oct. 1921	WATKINS, JOHN HUGH	13, Gray's Inn Square, W.C.1.
1101	A. Feb. 1884 F. Mar. 1889	WATKINS, ROBERT ARUNDEL ..	Castle Combe, Chippenham, Wilts.
6412	A. Oct. 1911 F. Mar. 1920	*WATKINSON, HAROLD EDWARD	9, Hemdean Rise, Caversham, Reading.
6459	Oct. 1912	WATNEY, ARTHUR GORDON ..	4A, Frederick's Place, E.C.
47	June 1868	WATNEY, DANIEL (<i>Past-President</i>)	4A, Frederick's Place, E.C.
1957	Jan. 1891	WATNEY, DENDY (<i>Member of Council</i>)	4A, Frederick's Place, E.C.
951	A. May 1883 F. Feb. 1887	WATNEY, WALTER DANIEL ..	3, Offa Street, Hereford.
6413	A. Oct. 1911 F. June 1914	*WATSON, CHARLES EDWARD ..	32, The Avenue, Eastbourne, Sussex.
6094	A. Oct. 1910 F. Oct. 1914	*WATSON, CHARLES HAVERS ..	366, Streatham High Road, S.W.
3604	A. Oct. 1899 F. May 1905	*WATSON, DAVID ALEXANDER ..	The Estate Office, Watlington, Oxford.
4559	A. Oct. 1904 F. Dec. 1905	*WATSON, ERNEST	15, Lower Grosvenor Place, S.W.1.
7434	A. Oct. 1913 F. Apr. 1921	*WATSON, FREDERICK PERCY	5, Hereford Road, Westbourne Grove, W.2.
8887	Jan. 1922	WATSON, GEORGE LAWRENCE ..	39, Newhall Street, Birmingham.
2996	A. Oct. 1895 F. Nov. 1899	*§WATSON, HERBERT JOHN ..	6, Lendal, York.
1236	A. Dec. 1884 F. Sep. 1895	*WATSON, JAMES BRUCE	Petworth, Sussex.
2425	Nov. 1891	WATSON, JOHN, M.B.E.	Cogan Chambers, Bowlalley Lane, Hull.
1290	A. Dec. 1885 F. May 1894	*WATSON, JOHN, M.B.E.	District Valuer's Office, 37, Hall Gate, Doncaster, Yorks.
1456	Feb. 1888	WATT, ALEXANDER	Muncaster Estate Office, Ravenscroft, Cumberland.
7579	Oct. 1915	*WATT, JAMES	75, Union Street, Aberdeen.
6912	A. Oct. 1912 F. Dec. 1921	*WATTS, DAVID CHRISTOPHER ..	West House, Cowbridge, Glam.
4291	A. Oct. 1908 F. Feb. 1918	*WATTS, ERNEST WILLIAM ..	Secretary, Manitoba Tax Commission, Parliament Buildings, Winnipeg, Canada.

Date of Election and of Transfer.	FELLOWS.	Address.
Dec. 1889	WAY, HENRY JAMES	109, Lower St. James' Street, Newport, Isle of Wight.
A. Oct. 1907	*WAY, LIONEL HUGH	12, Rockstone Place, Southampton.
J. July 1919	*WAYMOUTH, JOHN KENNERLEY	41, High Street, Southend-on-Sea, Essex.
.. Oct. 1904	*WEALL, JOHN GRAHAM	38, High Street, Watford, Hertfordshire.
.. June 1914	*WEATHERHEAD, DAVID WILKINSON	Lowlands, Utley, Keighley, Yorkshire.
.. Oct. 1898	*WEATHERILL, GEORGE FORD ..	Valuation Office, Victoria Avenue, Harrogate, Yorkshire.
.. Jan. 1904	*WEBB, CLARENCE ALBERT	110, Cardiff Road, Llandaff, near Cardiff.
.. Nov. 1892	WEBB, WALTER WILLIAM	14, Temple Street, Birmingham.
.. June 1911	WEBB, WILLIAM	Estate Office, Silver Lane, Purley, Surrey.
.. Oct. 1900	*WEBBER, HENRY STANTON	23, Queen St., Maidenhead, Berkshire.
.. Sep. 1902	*WEBBER, WILLIAM HENRY	33, Furnival Street, Holborn, W.C.
.. Oct. 1906	*WEBSTER, FRANK COUTTS, O.B.E.	Board of Control, 66, Victoria Street, S.W.1.
.. Apr. 1911	WEBSTER, GEORGE A.	5, Verulam Buildings, Gray's Inn, W.C.1.
Jan. 1922	*WEBSTER, HUGH CALTHROP	2, Basinghall Street, E.C.
Nov. 1890	WEEKES, NORMAN BARNETT, A.R.I.B.A.	Housing Department, Town Hall, Rochdale.
.. Feb. 1897	WEEKS, ALFRED HENRY	34, Park Place, Cardiff.
.. Oct. 1917	*WEETMAN, WILLIAM CHARLES CUMMING	Estate Office, Osberton, Worksop, Notts.
.. Jan. 1922	*WELLS ARTHUR HARVEY	8, Stafford Street, Derby.
.. Oct. 1907	*WELLS, SIR WILLIAM HENRY	116, Kensington High Street, W.
.. June 1919	WELPLY, JAMES	65, George Street, Limerick.
.. Oct. 1902	WELPLY, WILLIAM NORWOOD	Lindville, Ballintemple, Co. Cork.
.. Dec. 1910	*WELSH, HUGH	Avon House, Middleton Road, Salisbury.
.. Nov. 1892	WENBORN, SIDNEY THOMAS, MAJOR	R.E. Office, Weymouth.
.. Oct. 1896	*WEST, ARTHUR SMITH	7, Haywra Crescent, Harrogate, Yorkshire.
.. Sep. 1895	*WEST, CHARLES HENRY EDWARD, F.R.G.S.	45-7, George Street, Baker Street, W.
.. Oct. 1899	*WEST, HERBERT JAMES	17, York Place, W.1.
.. Dec. 1901	WESTBURY, GEORGE HENRY	The Knoll, Andover, Hants.
.. Feb. 1882	*WESTLAKE, WILLIAM JOHN WALTER	Clifden House, Brentwood, Middlesex.
.. Oct. 1920	*WESTON, FRANCIS, F.S.A.	322, Brixton Road, S.W.
.. July 1921	WETHERALL, HARRY LANCASTER	Bracklyn, Winchfield, Hants.
.. Oct. 1904		
.. Mar. 1891		

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
8891	Jan. 1922	WEVILL, ALFRED EDWARD ..	P.O. Box, 297, Nairobi, British East Africa.
3756	A. Oct. 1900 F. Jan. 1907	*WHATLEY, ERNEST JAMES ..	Bernere, 31, Rock Road, Cambridge.
8139	A. Oct. 1896 F. May 1900	*WHEATLEY, STEPHEN GLADSTONE, MAJOR, R.E. ..	
4294	A. Oct. 1903 F. June 1908	*WHEELER, FRANCIS WEST ..	1, Sydney Street, Chelsea, S.W.
2554	A. Nov. 1892 F. June 1897	*WHEELER, JOHN HENRY WEST ..	Inland Revenue, 25, Great George Street, Park Street, Bristol.
3757	A. Oct. 1900 F. May 1910	†§WHELDON, MARTIN LOWISH ..	5, Coney Street, York
4564	A. Oct. 1904 F. Oct. 1913	*WHIDDINGTON, STANLEY DUNFORD	61, Berners Street, Oxford Street, W.
6099	A. Oct. 1910 F. Oct. 1911	*WHINNERAH, WILLIAM ..	c/o Thos Fair and Son, Estate Office, Lytham, Lancs.
5554	A. Oct. 1908 F. Oct. 1910	*WHIPP, THOMAS WILLIAM ..	15, Valley Bridge Parade, Scarborough, Yorkshire.
2616	A. Oct. 1893 F. Oct. 1897	*WHITAKER, ERNEST VICTOR ..	8, Leinster Square, Bayswater, W.
8120	Oct. 1920	*WHITAKER, FREDERICK ARCHIBALD ..	25, Victoria Street, S.W.1.
4089	A. Oct. 1902 F. Sep. 1919	*WHITAKER, HUGH ..	Valuation Office, 8, Stafford Street, Derby.
3015	Jan. 1896	WHITE, ARTHUR ..	99, George Street, Limerick.
3758	A. Oct. 1900 F. Sep. 1904	*WHITE, BENJAMIN WILLIAM ..	11, Queen Victoria Street, E.C.
8892	Jan. 1922	WHITE, EVERARD ..	Public Works Dept., Pretoria, South Africa.
2428	Nov. 1891	WHITE, JAMES ALEXANDER ..	18, High Street, Dorking, Surrey.
4826	A. Oct. 1905 F. Mar. 1920	*WHITE, JOHN WILLIAM EDDEN	19, Hastings Road, Maidstone.
2916	Sep. 1895	WHITE, RICHARD ..	Estate Office, Gowran, Co. Kilkenny.
6417	A. Oct. 1911 F. June 1915	*WHITE, SAMUEL CYRIL ..	Westminster House, St. Peter's Road, Bournemouth.
2997	A. Oct. 1895 F. Apr. 1903	*WHITE, WALTER ERNEST COATES	Chatwood, Wokefield Green, Mortons, Berkshire.
701	Jan. 1882	WHITELEY, CHARLES PERRY ..	52 & 53, Cheapside, E.C.
3612	A. Oct. 1899 F. Dec. 1921	*WHITELEY, CYPRIAN CHARLES OSWALD, CAPT., O.B.E. ..	52 and 53, Cheapside, E.C.
6924	A. Oct. 1912 F. Feb. 1919	*WHITFIELD, THOMAS WARD ..	Polebarn House, Trowbridge, Wilts.
5362	A. Feb. 1903 F. Apr. 1914	*WHITLOCK, FRANCIS JOHN ..	The Mart, Bank Street, Rugby.
2723	A. Oct. 1894 F. May 1896	*§WHITTAKER, JOHN DRONSFIELD, B.A. (Cantab.)	Oxford and Cambridge Club, Pall Mall, S.W.
3759	A. Oct. 1900 F. July 1902	*WHITTEN, GEORGE JACKSON, M.B.E. ..	28, Braxted Park, Streatham, S.W.
2998	A. Oct. 1895 F. Nov. 1900	*WHITTON, PERCY ..	24, Gandy Street, Exeter.
5309	A. Oct. 1907 F. July 1921	*WHYTE, THOMAS ..	6, High Street, Dundee.
8893	Jan. 1922	WICKSTEAD, A. F. ..	8, Old Jewry, E.C.

Date of Election and of Transfer.	FELLOWS.	Address
A. Oct. 1901 F. Oct. 1909	*§WIDDICOMBE, CHARLES EDWIN	Valuation Department, King's Lynn, Norfolk.
A. Oct. 1907 F. Oct. 1921 A. Oct. 1905 F. June 1919	*WIDDOWSON, GEORGE CLIFFORD *WIGHTMAN, WILLIAM OSBORNE	H.M. Office of Works, S.W.1. District Valuer's Office, Reigate Hill Road, Reigate.
A. Oct. 1899 F. Feb. 1904	*WIGLEY, SIDNEY PRUDDEN ..	Winslow, Buckinghamshire.
A. Feb. 1870 F. Nov. 1876	WIGRAM, JOHN	South Collingham, Newark, Notts.
A. Oct. 1898 F. Oct. 1899	*WIGRAM, REGINALD SPENCER ..	Weybourne, Stoke Road, Cobham, Surrey.
Feb. 1892	WILBRAHAM, EDWARD SIDNEY ..	Standerwick Court, Frome, Somerset.
Jan. 1922	WILCOX, FRANK E.	25, Wenman Street, Balsall Heath, Birmingham.
Oct. 1911	*WILDING, JAMES	Town Hall, Runcorn, Cheshire.
Jan. 1922	WILDMAN, JOHN T. R.	79, Gresham Street, E.C.2.
A. Oct. 1901 F. May 1910	*WILFORD, CECIL MARSHALL ..	Cathedral Chambers, Castle Street, Carlisle.
Jan. 1922	WILKIE, JOHN ALEXANDER ..	
A. Oct. 1911 F. July 1920	*WILKINSON, ANDREW WOOD ..	District Valuer's Office, 9, Hammet Street, Taunton.
A. Oct. 1911 F. Oct. 1920	*WILKINSON, PERCY MACDONALD	6, Ely Place, Dublin.
Dec. 1884	WILKINSON, THOMAS	170, North Street, Brighton, and 30A, Western Road, Hove, Sussex.
A. Oct. 1902 F. Nov. 1913	*WILKS, CLEMENT	16, Gt. James Street, Bedford Row, W.C.1.
A. Oct. 1920 F. July 1921	*WILLEY, FREDERICK, F.R.I.B.A.	5, Crossgate Peth, Durham.
A. Oct. 1899 F. Jan. 1905	*WILLIAMS, ARTHUR CODRINGTON	Estate Office, Kemble House, Cirencester.
A. Oct. 1912 F. Dec. 1920	*WILLIAMS, CHARLES BERNARD, CAPT., M.C.	Salop House, Oswestry, Shropshire.
Oct. 1917	*WILLIAMS, DAVID JOHN	Ty Newydd, Garn Dolbenmaen, Carnarvonshire.
Nov. 1891	WILLIAMS, GERALD GARNONS ..	Ashburnham Estate Office, Burry Port, Carmarthen.
Feb. 1904 May 1910	*§WILLIAMS, HAROLD, O.B.E. ..	43 and 45, High Street, Croydon.
Jan. 1922	WILLIAMS, JOHN LEWIS	47, Temple Row, Birmingham.
A. Oct. 1913 F. Feb. 1919	*WILLIAMS, JOSEPH	9, Roath Court Road, Cardiff.
A. Oct. 1900 F. Jan. 1908	*WILLIAMS, RICHARD ERNEST HAVARD	The Elms, Struet, Brecon.
Jan. 1889 Apr. 1888	WILLIAMS, WILLIAM HERBERT ..	Great Western Railway, Paddington, W.
Oct. 1893 Feb. 1897	*WILLIS, EDWARD	Engineer and Surveyor's Department, Town Hall, Chiswick, W. (Middlesex).

Dip. No.	Date of Election and of Transfer.	FELLOWS.	Address.
2917	Sep. 1895	WILLIS, GILBERT DE LAVAL ..	Leconfield Estates Office, Ennis, Co. CL.
807	A. Apr. 1882 F. May 1887	WILLMOT, JOHN (<i>Past-President</i>)	6, Waterloo Street, Birmingham.
3918	A. Oct. 1901 F. Nov. 1912	*WILSON, EVERARD JOHN ..	Messrs. Tuckett & Son, 2, Basing Street, E.C.
3445	A. Oct. 1898 F. Oct. 1899	*WILSON, FREDERICK ROBERT ..	41, Streathbourne Road, Balham, S.
6935	A. Oct. 1912 F. Feb. 1918	*\$WILSON, JOHN HENRY ..	4, King Street, Blackburn.
3141	A. Oct. 1896 F. Jan. 1899	*WILSON, LAWRENCE RICHARD ..	Bank of England Chambers, Tib La Manchester.
5808	A. Oct. 1909 F. Dec. 1918	*WILSON, MALCOLM MILLAR ..	8, St. Paul's Square, Bedford.
1449	A. Jan. 1888 F. Feb. 1904	*WILSON, WILLIAM EDWARD ..	Land Valuation Office, 78, King Stre Manchester.
8121	Oct. 1920	*WILSON, WILLIAM EDWIN ..	The Tannery, Ings Lane, Waltha Lincs.
1962	Jan. 1891	WILSON, WILLIAM HENRY ..	5, New Brown Street, Manchester.
5059	A. Oct. 1906 F. July 1912	*WINDER, FRANCIS ARNOLD ..	Corn Exchange Chambers, Sheffield.
1963	Jan. 1891	WINTERTON, HARRY JOHN CAM- PION	St. Mary's Chambers, Lichfield, Staffo shire.
1964	Jan. 1891	WINTERTON, WILLIAM MOXON ..	30, High Street, Burton-on-Trent, S fordshire.
2437	Nov. 1891	WISE, CHARLES DACRES ..	
5561	A. Oct. 1908 F. Apr. 1916	*WISE, FREDERICK JOHN ..	Malford House, 17, Hart Stre Bloomsbury, W.C.1.
3611	A. Oct. 1899 F. Oct. 1911	*WITHAM, JAMES BERNARD ..	7, Bennett Road, near Crumps Manchester.
4075	A. Oct. 1898 F. Jan. 1906	*WONTNER-SMITH, PERCY ..	Valuers' Office, 29, Romford Ro Stratford, E. (Essex).
5061	A. Oct. 1906 F. Mar. 1909	*WOOD, DOUGLAS, A.R.I.B.A. ..	7, Lenton Road, The Park, Notti ham, and Housing Commission Nottingham.
4570	A. Oct. 1904 F. Apr. 1913	*WOOD, HAROLD ..	4, South St. Mary's Gate, Grimsby, L
8394	Oct. 1921	WOOD, HUGH MORRISON ..	124, Rathgar Road, Dublin.
4832	Oct. 1912	WOOD, HUGH REGINALD ..	6, Ely Place, Dublin.
1474	Mar. 1888	WOOD, JOHN DANIEL ..	6, Mount Street, W.
3317	A. Feb. 1898 F. May 1905	*WOOD, JOHN EDWARD ..	District Valuer, Greek Street Chamb Park Row, Leeds.
6101	A. Oct. 1910 F. Nov. 1916	*WOOD, LEONARD ..	4, South St. Mary's Gate, Grimsby.
2724	A. Oct. 1894 F. Apr. 1901	*‡\$WOOD, LESLIE STUART ..	East Grinstead, Sussex.
8898	Jan. 1922	WOOD, ROBERT ..	
4614	Oct. 1905	*WOODCOCK, ROBERT FRANK ..	50, Queen Street, Exeter.

Date of Election and of Transfer.	FELLOWS.	Address.
A. Oct. 1904 F. Dec. 1915	*WOODHAMS, JAMES PERCY ..	27, High Street, Battle, Sussex.
A. Oct. 1898 F. Apr. 1901	*WOOD-MARTIN, HENRY ROGER BROMHEAD	Cleveragh, Sligo.
A. Nov. 1892 F. Sep. 1895	*WOODS, ARTHUR GEORGE ..	196, High Street, Hounslow, Middlesex.
May 1891	WOODS, THOMAS	4 and 5, Church Parade, Hounslow, Middlesex.
A. Oct. 1905 F. May 1917	*WOODWARD, HENRY GORDON ..	Station Road, Stowmarket, Suffolk.
A. Jan. 1882 F. Apr. 1890	WOODWARD, WM., F.R.I.B.A. ..	15, Great James' Street, Bedford Row, W.C.1.
A. Oct. 1897 F. Oct. 1898	*WOOF, ROBERT STEPHENSON ..	Lowther, Penrith.
A. Oct. 1915 F. Oct. 1920	*WOOLLEY, JOHN STANLEY ..	The Castle Auction Mart, Salisbury.
Mar. 1891	WOOLLEY, JOHN TURTON ..	Spursholt, Romsey, Hampshire, and The Castle Auction Mart, Salisbury.
A. Oct. 1909 F. June 1914	*WOOLLEY, MAURICE THEODORE	Rectory Place, Loughborough.
A. Oct. 1909 F. Feb. 1918	*WOOLLEY, REGINALD GEORGE ..	Headquarters, High Street, Portsmouth.
Feb. 1881	WOOLLEY, REGINALD SMITH ..	Silver Street, Lincoln, and South Collingham, Newark, Notts.
A. Oct. 1909 F. June 1915	*WOOLLEY, RICHARD MELSOME ..	Salisbury.
A. Oct. 1914 F. July 1921	*WOOSNAM, RALPH WILLIAM ..	Cefnllysgwynne, Builth Wells, Breconshire.
A. Oct. 1911 F. Apr. 1926	*WOOTTON, THOMAS SYDNEY LEWIS	24, Lime Street, E.C.
A. Oct. 1907 F. May 1917	*WORMLEIGHTON, BERNARD JOSEPH	The Town Hall, Loftus, Yorks.
Oct. 1909	*WORRALL, ERNEST	Stretford Council Offices, Old Trafford, Lancashire.
A. Oct. 1913 F. Dec. 1920	*WORRALL, JOSEPH RATCLIFFE	28, Northwick Park Road, Harrow, Middlesex.
Jan. 1922	WORTHY, MICHAEL JOHN ..	15, Lord Street, Liverpool.
A. Oct. 1906 F. July 1920	*SWRAIGHT, GEORGE FREDERICK HAROLD	District Valuer's Office, 38, Lansdowne Road, Tottenham, N.17 (Middlesex).
A. Dec. 1881 F. Jan. 1887	WREATHALL, ROBERT T. ..	13, Victoria Street, Westminster, S.W.1., and 1, Sudbury Parade, Sudbury, N.W. (Middlesex).
A. Oct. 1903 F. Feb. 1919	*WRIGHT, CHARLES LEE ..	21, Cathedral Yard, Exeter.
Nov. 1891	WRIGHT, CHARLES WILLIAM, M.A. (Cantab.)	21, Parkinson Street, Nottingham.
A. Oct. 1901 F. June 1912	*WRIGHT, ERNEST HARRY ..	9, Thomas Street, Woolwich, Kent.
Oct. 1904	WRIGHT, GEORGE JOHN, MAJOR	Royal Engineer Office, Town Barracks, Exeter.

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4889	Oct. 1906	*WRIGHT, HERBERT ALFRED ..	35, Pentonville Road, N.
5063	A. Oct. 1906 F. Nov. 1908	*WRIGHT, ISAAC THOMAS ..	61, West Bank Road, Devonshire Park, Birkenhead.
7634	A. Oct. 1915 F. Mar. 1920	*WRIGHT, SAMUEL WARE ..	97, Lichfield Road, Great Yarmouth, Norfolk.
3923	A. Oct. 1901 F. May 1910	*WRIGHT, WALTER BRERETON ..	6, Glisson Road, Cambridge.
292	Dec. 1872	WRIGHT, WILLIAM EDWARD ..	King's Lynn, Norfolk.
5316	A. Oct. 1907 F. Nov. 1913	*WRIGHT, WILLIAM NEWCOME ..	38, Poultry, Cheapside, E.C.
2726	A. Oct. 1894 F. Dec. 1902	*WYATT, ARCHIBALD	East Lodge, Fareham, Hampshire.
3448	A. Oct. 1898 F. July 1901	*WYATT, HERBERT GUY BUCKELL	East Street, Chichester, Sussex.
722	Jan. 1882	WYATT, OLIVER NEWMAN ..	East Street, Chichester, Sussex.
2620	A. Oct. 1893 F. Nov. 1895	*WYLES, JOHN WALTER ..	Finsbury Circus House, 10, Bloomsbury Street, E.C.
3924	A. Oct. 1901 F. Nov. 1912	*WYLEY, HENRY CHARLES ..	Newmarket Buildings, Bridgnorth, Salop.
1120	Mar. 1884	WYLEY, HENRY JAMES ..	"Abbeycote," Pershore, Worcester-shire.
8900	Jan. 1922	WYLIE, ERNEST AVERY ..	15, Hertford Road, N.2.
7014	Oct. 1913	*YALE, GEORGE FREDERICK CUNNINGHAM .. .	Estate Office, Pwllheli, N. Wales.
8064	A. Oct. 1906 F. June 1911	*YEATMAN-BIGGS, WILLIAM HUYSHE .. .	The Estate Office, Codford S.O., Wilt.
2445	Nov. 1891	YORK, HENRY .. .	East Barnet Valley Urban District Council, Station Road, New Barnet, Hert.
6433	A. Oct. 1911 F. Dec. 1917	*YOUNG, ALEXANDER .. .	13, Shandon Street, Edinburgh.
599	A. Jan. 1881 F. Jan. 1891	YOUNG, ANDREW (<i>Past-President</i>)	Braeside, Whiteleafe, Princes Risborough, Bucks.
4100	A. Oct. 1907 F. Apr. 1911	*YOUNG, CHARLES ALEXANDER ..	51, Coleman Street, E.C.
4575	A. Oct. 1904 F. Apr. 1913	*YOUNG, CHARLES EDWARD ..	East Street, Barking, Essex.
1830	May 1890	YOUNG, DOUGLAS .. .	51, Coleman Street, E.C.
8405	Oct. 1921	*YOUNG, ERNEST ALEXANDER	District Surveyor, 155, Rushey Green, S.E.6.
2921	Sep. 1895	YOUNG, GEORGE LAWRENCE ..	Randalstown, Co. Antrim.
8103	Oct. 1920	YOUNG, HAROLD .. .	Civil Engineer in Chief's Dept., Harb. Dockyard, Rosyth.

Date of Election and of Transfer.	FELLOWS.	Address.
Feb. 1908	YOUNG, HENRY STEPHEN MATTHEWS	Heathfield, Irvine, Ayrshire.
A. Oct. 1902 F. Oct. 1910	*YOUNG, HERBERT OSWALD ..	District Valuer's Office, James Street, Liverpool.
Oct. 1915	YOUNG, JAMES	62, Market Street, Bradford, Yorks.
A. Oct. 1900 F. Oct. 1914	*YOUNG, KENNETH JAMES ..	1, Imperial Buildings, Croydon, Surrey.
A. Dec. 1878 F. Feb. 1891	YOUNG, MORGAN HENRY ..	17, Southampton St., Bloomsbury Square, W.C.
Nov. 1891	YOUNG, OSWALD WILLIAM ..	6, Dale Street, Liverpool.
A. Oct. 1905 F. July 1921	*YOUNG, SIDNEY	Selborne Villa, London Road, Burgess Hill, Sussex.
Oct. 1921	YOUNG, SIDNEY MICHAEL	104, High Holborn, W.C.1.
Nov. 1891	YOUNG, THOMAS	6, Warwick Court, Gray's Inn, W.C.
A. Oct. 1906 F. Nov. 1916	*YOUNG, THOMAS, M.B.E., N.D.A.	Edinburgh and East of Scotland College of Agriculture, 13, George Square, Edinburgh.
A. Oct. 1897 F. Feb. 1900	*YOUNG, THOMAS JOHN ..	6, Upper King Street, Norwich.
A. Oct. 1913 F. Mar. 1920	*YOUNG, WILLIAM GEORGE ..	13, Branksome Road, Wimbledon, S.W. (Surrey).

Total Number of Fellows, 2,498, carried to Summary, p. 210.

Professional Associates.

The names of those Professional Associates who have qualified for the Class by Examination are distinguished thus *

The names of those Professional Associates who have further qualified by Examination for, but have not yet been transferred to the Class of Fellows, are distinguished thus ¶

he names of those Professional Associates who have gained prizes at the Institution Examinations are distinguished thus §

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7015	Oct. 1913	*ABBOTT, CLAUDE, M.C.	Bradley Court, Micheldean, Glos.
9122	Oct. 1920	*¶ABBOTT, OSCAR LEWIS	14, Carrington Road, Flixton, Manchester.
7766	Nov. 1918	*ABRAMS, GEORGE HERBERT	19, Buckingham Street, W.C.2.
9406	Oct. 1921	*¶ADAIR, WILLIAM	c/o F. B. Punchard, Underley Estate Office, Kirkby Lonsdale, Westmorland.
8407	Oct. 1921	*¶ADAM, JAMES	27, Union Street, Glasgow.
9648	Oct. 1894	*ADAMS, GERALD JAMES FREDERICK, CAPT., F.R.G.S.	"Kitsilano," Golf Links Avenue, Felpham, Sussex.
2929	Oct. 1895	*ADAMS, HERBERT	38, Sloane Street, Belgravia, S.W.
4551	Oct. 1904	ADAMS, HUBERT ARTHUR, CAPT. R.A.F.	Horsington House, Grove Road, Woking.
8123	Oct. 1920	*ADAMSON, THOMAS ROBERT	27, Grove Street, Newcastle-on-Tyne.
7016	Oct. 1913	*ADDEY, FREDERICK ARNOLD	5, Greyhound Road Mansions, W. Kensington, W.6.
6152	Oct. 1911	*ADDIE, ALAN LESLIE FORRESTER	City Surveyors' Office, Town Hall, Manchester.
7767	Nov. 1918	*ADDISON, JOHN PERCIVAL	Meadowfield, Brandon Colliery, Durham.
7994	Oct. 1919	*§ADKIN, BENAIAH COLSON	35, Lincoln's Inn Fields, W.C.2.
8408	Oct. 1921	*¶ADKIN, WILFRED GIBB	8, Hope Park, Bromley, Kent.
8901	Jan. 1922	ADKINSON, EDGAR H.	Moor View, Lumb Lane, Bramhall, Cheshire.
6153	Oct. 1911	*AINLEY, ERIC EDWIN	78, Birkby Hall Road, Huddersfield.
7768	Nov. 1918	*ALDEN, JOHN HENRY	11, Clifton Street, Hornsea, E. Yorkshire.
5385	Oct. 1908	*¶ALDERSON, CHARLES HENRY	c/o J. J. Paine and Alderson, Amersham, Bucks.
7018	Oct. 1913	*¶ALEXANDER, THOMAS MACKELVIE	c/o Messrs. Woolfall & Eccles, 60, Cambridge Street, Liverpool.
8124	Oct. 1920	*ALEXANDER, WILLIAM THOMAS RICHARD	32 Victor Road, Teddington, Middlesex.
6499	Oct. 1912	*ALGAR, STANLEY	6, Haywna Street, Harrogate, Yorkshire.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1921	*¶ALLAM, FREDERICK WILLIAM	Postlands, Southwater, Horsham, Sussex.
Oct. 1921	*¶ALLCOCK, ARCHIBALD JOSEPH	15, Avenue Road, Belmont, Sutton, Surrey.
Oct. 1914	*¶ALLEN, AUBREY JAMES	The Shantie, Evercreech, S.O., Somerset.
Oct. 1901	*ALLEN, FRED TREGARTHEN ..	43, Kingshall Road, Beckenham, Kent.
Oct. 1904	*¶ALLEN, HAROLD COLIN	13, Holmdale Road, W. Hampstead, N.
Oct. 1893	*ALLEN, JOHN PARNELL, MAJOR..	27, St. Bede's, East Bolden, Co. Durham.
Oct. 1905	*ALLEN, OLIVER WYLIE	8, Frederick's Place, Old Jewry, E.C.
Oct. 1920	*ALLERTON, REGINALD JOHN ..	Town Hall, Brierley Hill, Staffs.
Nov. 1918	*¶SALLISON, GEORGE HENRY ..	P. W. D. Raisina, Delhi, India.
Oct. 1913	*ALLISON, WILLIAM	9, Tavistock Square, W.C.1.
Oct. 1910	*ALVES, HAROLD NORMAN	27, High Street, Glastonbury, Somerset.
Oct. 1902	*¶AMIES, HERBERT CHRISTOPHER..	6, Horse Fair, Banbury.
Oct. 1898	*ANDREWS, ARTHUR GEORGE, Lic.R.I.B.A., M.Inst. M. & C.E.	Borough Surveyor's Office, Town Hall, Colchester, Essex.
Oct. 1908	*¶ANDREWS, PERCY CHARLES ..	22, Park Road, East Twickenham.
Oct. 1904	*ANDREWS, RONALD SEYMOUR ..	143, Bow Road, E.
Oct. 1896	*ANDREWS, STEPHEN HAMPTON..	28, Limesford Road, Waverley Park, S.E.
Oct. 1913	*ANDREWS, WILLIAM CHARLES ..	20, Oxenford Street, East Dulwich, S.E.
Oct. 1911	*ANDREWS, WILLIAM FREDERICK	43, Park Crescent Terrace, Brighton.
Oct. 1912	*ANNAKIN, ARTHUR BERTIE ..	Cave Holme, Well Royd Crescent, Yorks.
Feb. 1913	*ANNS, FRANK	3, Clyde Road, Croydon, Surrey.
Oct. 1913	*ANSELL, DOUGLAS GEORGE ..	11, Brunswick Terrace, Hove.
Oct. 1906	*ANSTEAD, SYDNEY HERBERT ..	Wall End House, East Ham, E.6. (Essex)
Oct. 1911	*APPLETON, EDWARD	4, Park Avenue, Mitcham, Surrey.
Oct. 1921	*¶APPLEYARD, SIDNEY WALTER	13, Brodia Road, Stoke Newington, N.16.
Nov. 1918	*APTHOMAS, ROBERT TIBBOT KERRIS	c/o Messrs. Innes, McDonald & Co., Seccondee, Gold Coast, W. Africa.
Oct. 1920	*¶APTHORPE, HENRY GUY ..	104, Victoria Road, Diss, Norfolk.
Nov. 1918	*ARBLASTER, EDWARD ALBERT	14, Ethelbert Road, Wimbledon, S.W.19 (Surrey)
Oct. 1906	*ARCHER, HAROLD DE BYRLAY ..	Ridgeway, near Sheffield.
Oct. 1913	*¶ARCHER, HARRY BARTON	17, Poplar Crescent, Earlsdon Avenue, Coventry.
Oct. 1911	*ARCHER, HERBERT HUMBLEY..	6 and 7, Promenade, Southport, Lancs.
Nov. 1918	*¶ARGILE, HAROLD WILMORE ..	Borough Surveyor's Dept., Municipal Buildings, Walsall, Staffs.
Oct. 1912	*¶ARMOUR, ANDREW LAMONT, B.SC.	54, Bewick Road, Gateshead, Durham.
Oct. 1908	*¶ARMSTRONG, CLIVE HEATH ..	Courthill, Bournemouth Road, Park- stone, Dorset.
Oct. 1899	*ARMSTRONG, JOHN WM. WILSON	68, Boulevard, Weston-super-Mare.
Feb. 1900	*ARNOLD, ALAN	Westgate Chambers, Winchester.
Oct. 1909	*ARNOLD, ARNOLD KEITH	5, Sloane Square, S.W.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3640	Oct. 1900	*ARNOLD, HARRY HAGON	Victoria Chambers, Bank Plain Norwich.
7025	Oct. 1913	*ARNOLD-FORSTER, JOHN ANTHONY	Nacton House, nr. Ipswich.
8412	Oct. 1921	*†ARSCOTT, LEONARD CHARLES	Rating Office, L. & S.W. Rly., Wat- loo Station, S.E.1.
7026	Oct. 1913	*ARTHUR, THOMAS BEVAN	54, King Street, Carmarthen.
7773	Nov. 1918	*†ASH, CHARLES ANTHONY	80, Horsham Avenue, N. Finchley N.12. (Middlesex).
5864	Oct. 1910	*ASH, FRANCIS EDWARD	56, Cornwall Road, Bishopston, Bristol.
4354	Oct. 1904	*†ASH, HORACE JAMES, A.R.I.B.A. ..	17, Bridge Street, Nuneaton, War- wickshire.
6514	Oct. 1912	*ASHFORD, HARRY ALBERT	Cathedral Chambers, Rochester, Ke-
6505	Oct. 1912	*ASHLEY, REGINALD WALKER	13, Bishop Street, Coventry, Warwic-
5339	Oct. 1908	*§ASHTON, ARTHUR	Clifton Chambers, Wood Street, St. Annes-on-Sea, Lancs.
6506	Oct. 1912	*ASHWORTH, TOM SPENCER	Dumers Lane, Radcliffe, Manchester.
7995	Oct. 1919	*†ASTBURY, CHARLES NORMAN	20, Upton Park, Slough, Bucks.
8127	Oct. 1920	*†ASTON, ADLARD KYME	78, Semilong Road, Northampton.
5865	Oct. 1910	*ATKIN-BERRY, HERBERT COUR- TENAY, D.S.O., M.C.	c/o W. H. Atkin-Berry, 143, Cann- Street, E.C. 4.
8413	Oct. 1921	*†ATKINS, ARTHUR EDWARD ALAN MARTIN	5, Talbot Houses, Blackheath, S.E.
4895	Oct. 1906	*ATKINSON, CHARLES CHRISTOPHER	The Mount, Kirkgate, Knaresborough Yorkshire.
5866	Oct. 1910	*†ATKINSON, CLIFFORD GARNETT ..	Horsham, U.D.C., Town Hall Cha- bers, Horsham.
6507	Oct. 1912	*ATKINSON, FRANCIS CHARLES ..	Woburn Experimental Farm, Aspley Guise, S.O., Beds.
3343	Oct. 1898	*†ATTLEE, EDWARD GUY	Green Lane, Burbage, Buxton, Derb- shire.
7774	Nov. 1918	*AVERY, JOSEPH ALBERT	151, Minstead Road, Gravelly Hill Birmingham.
8414	Oct. 1921	*†AVERY, THOMAS ARTHUR	Melrose, Litchfield Road, Sutton Surrey.
5695	Oct. 1910	*AVEY, JOHN WILLIAM, N.D.A.	Chawridge Manor Farm, Winkfield Windsor, Berks.
5617	Oct. 1909	*†AYLIFFE, WALTER SYDNEY	"The Shrubberies," Woodside Green South Norwood, S.E. (Surrey).
7996	Oct. 1919	*†AYLING, JOHN	9, Richmond Place, Brighton, Suss.
5618	Oct. 1909	*AYLMER, GUY	Risby Manor, Bury St. Edmunds, Suff.
4356	Oct. 1904	*AYNSLEY, DOUGLAS FARRER	20, Wolveleigh Terrace, Gosforth, New- castle-on-Tyne.
8415	Oct. 1921	*AYNSLEY, JOHN THOMAS OLIVER	13, Victoria Avenue, Bishop Auckland, Co. Durham.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1915	*¶ BACK, GEORGE	6'5, Cranworth Gardens, Brixton Road, S.W.
Oct. 1907	*¶† BACON, FRANK	Sydenham Lodge, Tavistock Road, South Woodford, Essex.
Oct. 1906	*¶ BAGNALL, EDWARD GEORGE ..	28, Clville Square, W.
Jan. 1922	BAGNALL, H. W.	Guildhall, Nottingham.
Oct. 1913	*BAILEY, ALFRED CECIL	19, Sheldon Road, Cricklewood, N.W.2. (Middlesex).
Oct. 1909	*BAILEY, ALFRED HORACE.. ..	10, Cornwall Road, Manningham, Bradford.
Oct. 1920	*BAILEY, VICTOR	88, De Beauvoir Road, Hackney, N.1.
Jan. 1922	BAILLIE, PETER	14, St. Mary's Road, Strood, Rochester.
Oct. 1921	*¶ BAIN, ARCHIBALD WILLIAM-SON	15, Old Queen Street, S.W.1.
Oct. 1912	*BAINES, NOEL	
Oct. 1907	*§ BAINES, WILLIAM HENRY.. ..	Office of Divisional Engineer, 17, Railroad Avenue, Jersey City, N.J., U.S.A.
Oct. 1913	*BAKER, ALFRED BARNET	23, Urbans Gardens, Wellington, Salop.
Oct. 1910	*¶ BAKER, ALFRED JAMES	5, Mount Street, W.
Oct. 1921	*¶ BAKER, ERNEST JOHN	Uffculme, Devon.
Oct. 1912	*¶ BAKER, ERNEST SAMUEL	623, Salisbury House, London Wall, E.C.2.
Oct. 1904	*¶ BAKER, FRANK LESLIE	c/o Surveyor General's Office, Colombo, Ceylon.
Oct. 1919	*¶ BAKER, GEORGE WILLIAM ..	14, St. James Terrace, The Hoe, Plymouth.
Oct. 1911	*BAKER, HAROLD	Amberley, Gloucestershire.
Oct. 1909	*BAKER, HENRY THOMAS GEORGE	14, Holmwood Villas, Gander Green Lane, Sutton, Surrey.
Oct. 1906	*BALCOMB, CECIL AUGUSTUS ..	278, Christchurch Road, Bournemouth.
Oct. 1908	*¶ BALDEN, JOHN WHITELEY.. ..	Estate Office, Bretton, Wakefield, Yorkshire.
Oct. 1901	*¶|| BALDWIN-WISEMAN, WILLIAM RALPH, M.S.C., F.G.S., A.M.I.C.E.	81c, Rosslyn Hill, Hampstead, N.W.3
Oct. 1912	*BALL, ERNEST WRIGHT, A.M.I.C.E.	15, Hoghton Street, Southport, Lancs.
Oct. 1908	*BALL, FRANCIS LEOPOLD	21, Finsbury Pavement, E.C.
Oct. 1906	*BALLANTINE, WILLIAM ARCHIBALD	"Holmlea," Causeway Lead, Stirling.
Oct. 1905	*BALLARD, WILLIAM EDGAR, A.M.I.C.E.	29, Anderton Park Road, Moseley, Birmingham.
Oct. 1913	*¶ BALLENTINE, DAVID	11, Janefield Place, Dundee
Jan. 1922	BALLINGER, A. E.	"Chelsea," 26, Howard Street, Gloucester.

† Special Sanitary Science Diploma.

Sessional Papers Gold Medal.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7033	Oct. 1913	*BALLS, JAMES MAYHEW	Braintree, Essex.
4858	Oct. 1904	*BALSTER, STEPHEN	32, Lockwood Road, Ilford, Essex.
5108	Oct. 1907	*BANHAM, EDWARD LONGLEY ..	69, Wain-a-long Road, Salisbury.
5641	Oct. 1900	*BANKS, EDWARD JOHN STANLEY	101, Bethune Road, Stamford Hill, N.16.
5869	Oct. 1910	*BANTON, LUTHER GEORGE ..	22, Shandon Road, Plibsborough, Dublin.
4359	Oct. 1904	*BARBER, HARRY JOHN	35, Woodstock Avenue, Golden Green, N.W. (Middlesex).
8418	Oct. 1921	*BARK, JOHN ELDON	7, Moorfields, Liverpool.
7035	Oct. 1913	*BARKER, HENRY ROTHERHAM..	15, Bensham Manor Road, Thorne Heath, Surrey.
5788	Oct. 1901	*BARKER, HERBERT GRAHAM ..	18, Arterberry Road, Wimbledon, S. (Surrey).
7583	Oct. 1915	*BARKER, HORACE THOMAS SEARLE	c/o Messrs. Knight, Frank & Rutland and Co., Renfield Street, Glasgow.
7680	Nov. 1914	*BARLASS, THOMAS	12, Market Street, Carnarvon.
7036	Oct. 1913	*BARLOW, JAMES	Oak Gate, Unsworth South, Whitefield, Manchester.
4901	Oct. 1906	*BARNARD, DENNIS CHRISTOPHER	Milton Lodge, Harpenden.
4360	Oct. 1904	*BARNHAM, GEORGE WILLIAM ..	Griston, Watton, Norfolk.
1247	Jan. 1885	*BARRATT, HARRY.. ..	Hill View, Corser Street, Stourbridge, Worcestershire.
6160	Oct. 1911	*BARRETT, ALLAN	The Avenue, Scholes, nr. Leeds.
7037	Oct. 1913	*BARRON, SIDNEY NORMAN, CAPT., R.E.	21A, Gloucester Road, S.W.7.
6514	Oct. 1912	*BARRY, ARTHUR THOMAS	4, Napier Road, Wembley, Middlesex.
8130	Oct. 1920	*BARTLETT, REGINALD DOUGLAS	c/o Cia Mexicana de Petroles, Agula, S.A. Tampico, Mexico.
7038	Oct. 1913	*BARTON, JOHN SEDDON	
7039	Oct. 1913	*BARTRAM, RONALD	28, Upper Bedford Place, Russell Square, W.C.1.
8419	Oct. 1921	*BARWELL, RICHARD NEWMAN	The Hawthorns, Bury St. Edmund.
3956	Oct. 1902	*BASTABLE, JOHN DANIEL	"St. Aubyns," Cheltenham Moor, Harrogate.
8131	Oct. 1920	*BATCHELOR, PERCIVAL	14, Blackwellgate, Darlington.
4130	Oct. 1903	*BATEMAN, FRANK GRAHAM.. ..	1, Stanley Place, Chester.
7775	Nov. 1918	*BATEMAN, WILLIAM HERBERT, CAPT., M.C., A.M.I.C.E.	Beaumont, Calne, Wilts.
4903	Oct. 1906	*BATES, ARTHUR ROGER ALBERT	Surveyor's Department, Great North Railway, King's Cross, N.
8420	Oct. 1921	*BATES, LEON RODWELL	20, Redgrave Road, Putney, S.W.
4363	Oct. 1904	*BATES, OSCAR GEORGE	Estate Office, Canwick, Lincoln.
5871	Oct. 1910	*BATES, PERCY	71, Pembroke Crescent, Hove.
7040	Oct. 1913	*BATES, STACY JAMES	4, Prittlewell Square, Southend-on-Sea, Essex.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1912	*¶ BATH, CECIL ALAN	Stoneyheath, St. John's Road, Orpington, Kent.
Oct. 1912	*¶ BATHURST, FRANK VICTOR ..	103, High Street, Clapham, S.W.4.
Oct. 1903	* BATSTONE, WALTER WATERFIELD	Godliman House, Godliman Street, E.C. 4.
Oct. 1920	*¶ BATY, REGINALD ELPHINSTONE	25, Rectory Terrace, Newcastle-on-Tyne.
Oct. 1907	*¶ BATZER, ALBERT EDWARD	7, Hobart Place, Grosvenor Gardens, S.W.
Oct. 1906	*¶ BAX, WILLIAM MOLYNEUX	37, Milton Road, Wallington, Surrey.
Oct. 1919	* BAXTER, FRANK	5, Elm Park, Great Stanmore, Middlesex.
Oct. 190~	*¶ BAXTER, GEORGE COULSON	1, Frederick's Place, Old Jewry, E.C.
Oct. 1921	*¶ BAXTER, HAROLD JOHN	c/o Ouse Drainage Board, 6, St. Andrew's Street, Cambridge.
Oct. 1906	*¶ BAYDEN, EDWARD	45, Parkside, Eltham, S.E.9.
Oct. 1905	*¶ BAYES, JOHN GEORGE	Air Ministry Works and Buildings Dept., Area H 2, Hut 20, Hillingdon House, Uxbridge.
Oct. 1896	* BEACH, ARCHIBALD WILLIAM HICKS, MAJOR	Oakley Manor, Basingstoke, Hants.
Oct. 1909	* BEALE, DONALD OLAF CHRISTOPHER	Uckfield, Sussex.
Oct. 1921	*¶ BEARD, PHILIP ARTHUR EDGAR	19, Augustus Road, Ravenscourt Park, W.6.
Nov. 1918	* BEARMAN, HARRY VICTOR	Belvedere, Woodville Road, New Barnet, Herts.
Oct. 1910	* BEAUMONT, JOHN EDMUND	1, Lansdown Road, Dukes Avenue, Muswell Hill, N. (Middlesex).
Oct. 1921	*¶ BEAVAN, WILLIAM FRANKLIN	Union Court, Cook Street, Liverpool.
Oct. 1903	* BEAVEN, HOWARD CLIFFORD ..	Willoughby, Bulwer Road, New Barnet, Herts.
Oct. 1913	* BECK, HERBERT EDGAR, B.A. ..	Estates and Valuation Dept., L.C.C., 116, St. Martin's Lane, W.C.
Oct. 1912	*¶ BECKHAM, ARTHUR ARKELL ..	5, Great College Street, Westminster, S.W.
Oct. 1912	*¶ BEDELLS, HERBERT SYDNEY GRAFTON	Toft Lawn, Hornsey Lane, Highgate, N.
Oct. 1913	* BEDINGTON, ALFRED CHRISTOPHER	14, Brecknock Road, Knowle, Bristol.
Oct. 189~	* BEDWELL, ERNEST CHARLES ..	29, Fleet Street, E.C.
Oct. 1920	* BEE, DAVID	17, Pepper Street, Chester.
Oct. 1913	* BEESTON, PERCIVAL CLEMENT ..	11, King Edward Road, Romford, Essex.
Oct. 1908	*¶ BEEVER, ROWLAND	13, The Boulevard, Hull, Yorks.
Oct. 1909	* BEKEN, REGINALD WALTER ..	213, Hoe Street, Walthamstow, N.E. (Essex).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
5521	Oct. 1912	*BELCHAM, ALAN SYER.. ..	44, Brightwell Avenue, Westcliff-on-Sea, Essex.
6164	Oct. 1911	*BELL, CYRIL ROBERT	The Estates Office, High Street, Tapscorley, Cheshire.
8134	Oct. 1920	*BELL, DAVID JAMES	73, Orrell Lane, Aintree, Liverpool.
8424	Oct. 1921	*BELL, ETHELBERT ERNEST	89, Salisbury Road, Harrow.
5874	Oct. 1910	*BELL, FRANCIS ASKEW	Shirley Croft, Grantham.
4906	Oct. 1906	*BELL, HARRY CECIL	"Hambleton," Church Road, Lymington, Kent.
5626	Oct. 1909	*BELL, WALLACE ALFRED	Morant, Gipsy Lane, Barnes, S.W. (Surrey).
6165	Oct. 1911	*BELL, WILLIAM JOHN.. ..	Threlkeld, Woodlands Drive, Harrogate.
4366	Oct. 1904	*BELLAMY, HARRY	Land Agency Office, Chipping Norton, Oxon.
6522	Oct. 1912	*BENHAM, MAURICE VICTOR.. ..	
4367	Oct. 1904	*BENJAMIN, ASHLEY FLORIAN	15, St. Helen's Crescent, Swansea, Glamorganshire.
5401	Oct. 1908	*BENNETT, ARTHUR JOHN	31, Grosvenor Road, Forest Gate, E.7.
6166	Oct. 1911	*BENNETT, ARTHUR THOMAS	Department of Commerce and Industry, Government of Palestine, Jerusalem.
5523	Feb. 1910	*BENNETT, MAURICE CHRISTMAS.. ..	
7585	Oct. 1915	*BENNETT, REGINALD HENRY WAPSHOTT	40, Buckingham Gate, S.W.
8000	Oct. 1919	*BENNETT, ROLAND DAY	"Edbrook," Warren Park, Warlingham, Surrey.
5110	Oct. 1907	*BENSON, RALPH FRANCIS	c/o Chief Surveyor, Land Titles Office, Regina, Sask., Canada.
7047	Oct. 1913	*BENTLEY, JOHN	Holmwood, Slade Lane, Levenshulme, Manchester.
4621	Oct. 1905	*BENTON, GERAUD SYDNEY	14, Norfolk Road, Brighton, Sussex.
8135	Oct. 1920	*BERRY, CHARLES EDWARD	Oak Hall, High Stone, Leytonstone, Essex.
7048	Oct. 1913	*BERRY, WILLIAM JAMES, N.D.A.	Executive Engineer, Public Health Dept., Government of Bengal, Mercantile Buildings, Calcutta, India.
7719	Oct. 1917	*BERRY, WILLIAM WELLINGTON	21, Kingston Hill, Surrey.
8136	Oct. 1921	*BERTRAND, WALTER RANDOLPH	8, Young Street, St. George's, Grenada, B.W.I.
8137	Oct. 1920	*BESANT, HUBERT SAXTON	Eastern Command Trade School, Hounslow, Middlesex.
7779	Nov. 1918	*BESCOBY, HARRY BERNARD	Guestling, Hastings, Sussex.
8425	Oct. 1921	*BEST, HALSTEAD	1, South King Street, Blackpool.
5403	Oct. 1908	*BETTRIDGE, SIDNEY WOODWARD	Ferney, Warlingham, Surrey.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1906	*¶ BEVINGTON, ERNEST	116, Cranley Gardens, Muswell Hill, N. (Middlesex).
Oct. 1898	* BIBBEY, THOMAS	Mersey Buildings, 18, James Street, Liverpool.
Oct. 1920	*¶§ BICKERTON, CHARLES HENRY	Shradene, Armoury Gardens, Shrewsbury.
Oct. 1911	* BICKNELL, JAMES LEDGER ..	
Oct. 1919	* BIGGS, GEOFFREY CAMERON ..	Eaton Cottage, Congleton, Cheshire.
Oct. 1914	*¶ BIGHAM, ROBERT ALEXANDER ..	21, Cranhurst Road, Cricklewood, N.W.2. (Middlesex).
Oct. 1911	*¶ BINES, THOMAS HARRY	G.D.O. Public Works Department, Council House, Birmingham.
Oct. 1900	*¶ BINGHAM, WILLIAM RAPER ..	11, Pydar Street, Truro, Cornwall.
Oct. 1921	*¶ BINKS, FRANK	11, Athlone Terrace, Armley, Leeds.
Oct. 1906	* BINNS, MAURICE ALFRED	84, Westcliff Park Road, Westcliff-on-Sea.
Oct. 1906	* BIRD, AUGUSTUS GORDON	29A, Lincoln's Inn Fields, W.C.
Oct. 1921	*¶ BIRD, STANLEY PARKER	38, Southwold Mansions, Maida Vale, W.9.
Oct. 1913	* BISCOE, ROBERT STAFFORD ..	Surveyor-General's Office, Kingston, Jamaica, B.W.I.
Oct. 1908	* BISHOP, ERNEST WILLIAM	11, Cromwell Avenue, Highgate, N. (Middlesex).
Feb. 1907	*¶ BISHOP, HORACE STANLEY CHARLES	19, Barons Court Road, W. Kensington, W.14.
Nov. 1918	* BISHOP, PERCY JAMES	Trevelyan Hotel, Tynemouth, Northumberland.
Oct. 1906	* BISLEY, CLAUDE VIVIAN	7, Windlesham Gardens, Brighton.
Oct. 1905	* BLABER, MONTAGUE	Hailsham, Sussex.
Oct. 1912	* BLACK, ERNEST	13, Rosslyn, Pasture Road, Roundhay Road, Leeds.
Oct. 1913	*¶ BLACKBURN, EDGAR	Acre House, Walmer Road, Birkdale, Lancashire.
Oct. 1921	*¶ BLACKBURN, LIONEL CHARLES	Municipal Offices, Raine Street, Wapping, E.1.
Feb. 1912	* BLADEN, LIONEL MACDONALD WELLS	
Oct. 1907	* BLAIR-IMRIE, HEW, LT.-COL., C.M.G., O.B.E.	Olympia Agricultural Co., Ltd., Thorney, near Peterborough.
Feb. 1905	* BLAKE, ALFRED EVELEIGH	118, High Street, Slough, Bucks.
Oct. 1912	* BLAKE, JOHN PATRICK	Surveyor's Office, Council House, Hounslow, Middlesex.
Oct. 1912	* BLANCHARD, LOUIS MATTHEW ..	Surveyors' Dept., Town Hall, Clacton-on-Sea, Essex.
Nov. 1916	*¶ BLAND, ROBERT LIONEL	16, Nassau Road, Barnes, S.W.13.
Oct. 1920	*¶ BLANKS, ARTHUR ALBERT	68, Mount Pleasant Lane, Upper Clapton, E.5.

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7781	Nov. 1918	*BLEAKLEY, JAMES FRANKLIN, CAPT.	Ashlea, Church Road, Flixton, n Manchester.
4371	Oct. 1904	*BLESSLEY, VICTOR HENRY.. ..	Finchley Road Station, L.and N.W. R. Hampstead, N.W.
7782	Nov. 1918	*BLETSON, THOMAS HENRY.. ..	Thrapston, Northants.
3793	Oct. 1901	*BLISS, THEODORE STEPHEN	Bedford Office, Tavistock.
6528	Oct. 1912	*BLOORE, HARRY GROSVENOR.. ..	83, Greenfield Road, Harborne, B irmingham.
3958	Oct. 1902	*BLORE, CHARLES GORDON	The Limes, Blockley, Worcestersh
6529	Oct. 1912	*BLOUNT, FRANCIS	27, The Park, Ealing, W. (Middlese
5407	Oct. 1908	*BLOW, THOMAS BERTRAM	The Vale, Blackheath, S.E.
7783	Nov. 1918	*BLOWEN, FREDERICK EDWARD VIVIAN, CAPT.	559, Chepstow Road, Newport, M
8429	Oct. 1921	*BLYTH, CHARLES KYDD	110A, Northview Road, Houns N.8. (Middlesex).
3646	Oct. 1900	*BLYTH, HAROLD KING	Superintending Chief Engineer Dept., H.M. Dockyard, Devonpor
8430	Oct. 1921	*BOARDMAN, HAROLD WILLIAM	Barmouth U.D.C., Barmouth, N. Wales.
8140	Oct. 1920	*BOARDMAN, JOHN WILBER- FORCE	Hadley, Woodford Green, Essex
7053	Oct. 1913	*BOAST, CHARLES ERIC	2, Uxbridge Avenue, Binley Ro Stoke, Coventry.
4373	Oct. 1904	*BODEN, HARROLD CASSWELL	"Wavertree," Worcester Park, Sur
5077	Oct. 1896	*BODEN, MAURICE.. ..	13, Swiss Terrace, Hampstead, N.W.
7784	Nov. 1918	*BODY, PELHAM TERRY COOPER	80, Basingstoke Road, Reading, B shire.
7472	Feb. 1914	*BOLLAM, MAX	Bessborough Estate, Bellini, Pilt Co. Kilkenny.
8002	Oct. 1919	*BOND, CYRIL HENRY CHARLES.. ..	25-31, Buckingham Gate, S.W.1.
7054	Oct. 1913	*BONE, HUGH	Borough Engineer's and Survey Office, 170, Victoria Street, Grix Ashmead Cottage, Skipton, Wins Bucks.
7055	Oct. 1913	*BOON, ERNEST GEORGE FREDERICK	Bewerley, Pateley Bridge, Yorkshi
3936	Oct. 1895	*BOORD, WALTER BERTRAM.. ..	1, Stuart Avenue, Hunt's C Liverpool.
6531	Oct. 1912	*BOOT, FRANK EDGCUMBE.. ..	21, Harcourt Street, Heworth, Y
8431	Oct. 1921	*BOOTH, HAROLD ALMGILL	17, Holmwood Gardens, Church Finchley, N. (Middlesex).
7056	Oct. 1913	*BOOTH, HOWARD EDWIN	Renfield Kinn, Argyllshire.
6532	Oct. 1912	*BORLAND, JOHN CAMPBELL	New County Hall, Westminster B S.E.1.
3078	Oct. 1896	*BOSHER, VICTOR EVANS	4, Lincoln's Inn Fields, W.C.2.
7057	Oct. 1913	*BOSTON, WILLIAM THOMAS	60, Newcastle Street, Burslem, Sta
4914	Oct. 1906	*BOTT, WILLIAM ALFRED	20, Edna Street, Crumpsall, Manch
6533	Oct. 1912	*BOTTOMLEY, BENJAMIN GREEN.. ..	

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
2 Oct. 1921	*¶ BOUNDY, AUBREY EARL ..	289, Hagley Road, Edgbaston, Birmingham.
0 Oct. 1911	*¶ BOURDAS, ARTHUR FREDERICK ..	174, Bedford Hill, Balham, S.W.
8 Oct. 1913	* BOURNE, HARRY GORDON ..	10, Glossop Road, Sanderstead, Surrey.
1 Oct. 1911	* BOUSTRED, HUBERT WILLIAM ..	80, Hanley Road, Stroud Green, N.4. (Middlesex).
3 May 1891	* BOWDEN, ERNEST NEWTON ..	14, Ridgefield, Manchester.
6 Oct. 1915	*¶ BOWEN, ALEXANDER	37, Cannon Hill Road, Balsall Heath, Birmingham.
9 Oct. 1909	*¶ BOWER, THOMAS HAWKESLEY ..	c/o Messrs. Entreprises Somerville, 29, Avenue de l'Opera, Paris.
7 Oct. 1914	*¶ BOWES, ALFRED STANLEY ..	North Holme, Whitburn, Sunderland, Durham.
9 Oct. 1913	* BOWES, ARTHUR ALKER ..	Pekin Buildings, 21, Harrington Street, Liverpool.
35 Oct. 1905	* BOWES, OSBORNE JOHNSTONE ..	25, New Bridge Street, Newcastle-on-Tyne.
60 Oct. 1913	*¶ BOWIE, ALEXANDER, JUN... ..	4, Glebe Avenue, Kilmarnock, Ayrshire.
61 Oct. 1913	*¶ BOWKER, ARTHUR	11, Acton Road, Rock Ferry, Cheshire.
34 Oct. 1912	* BOWKER, HAROLD WALTER ..	Surveyor-General's Office, Kingston, Jamaica, B.W.I.
33 Oct. 1921	*¶ BOWKER, WILLIAM EDWARD	32, Dumbarton Road, Lancaster.
62 Oct. 1913	*¶ BOWLING, PETER JAMES ..	Lake Estate Office, Canvey Island, S. Benfleet, Essex.
72 Oct. 1911	* BOWMAN, JOHN EDWARD ..	
64 Oct. 1921	*¶ BOWMAN, JOHN LESLIE ..	17, Forsyth Road, Newcastle-on-Tyne.
63 Oct. 1910	*¶ BOWTELL, WILLIAM EDGAR ..	76, Newton Street, Piccadilly, Manchester.
35 Oct. 1912	* BOX, STEPHEN THOMAS ..	c/o Crown Colony Survey, Accra, Gold Coast, West Africa.
63 Oct. 1913	* BOYDELL, FRANK LOUIS ..	78, The Avenue, Leigh, Lancs.
64 Oct. 1913	*¶ BOYNE, WILLIAM	c/o Rust, 304, Holborn Street, Aberdeen.
42 Oct. 1920	* BOYS, THOMAS	Ravenscar, Albion Road, Sutton, Surrey.
75 Oct. 1904	* BOYTON, FRANK ALRIC ..	9, Quality Court, Chancery Lane, W.C.2.
43 Oct. 1920	* BRACKETT, FREDERICK JOHN NEWBEGIN	c/o Brackett & Sons, 27 to 29, High Street, Tunbridge Wells.
15 Oct. 1906	* BRADFORD, DANIEL	9, Carlton Chambers, 12, Regent Street, S.W.
16 Oct. 1890	* BRADLEY, CECIL GUSTAV, D.S.O.	Borough Surveyor's Office, Bridlington, Yorkshire.

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3962	Oct. 1902	*¶ BRADSHAW, HAROLD CLAUD ..	Yew Tree Cottage, Boughton, nr. Northampton.
6526	Oct. 1912	*¶ BRAMELD, HENRY CRESWICK WILSON	Housing Commission, Region Quebec House, Quebec Street, Leeds.
6174	Oct. 1911	*§ BRAND, JAMES DOUGLAS	Killellan, Drumchapel, Glasgow.
5409	Oct. 1908	*BRAY, EDWIN	Town Street, Stanningley, Leeds.
4579	Feb. 1905	*¶ BRAY, JOCELYN	Southend, Ockham, Surrey.
7786	Nov. 1918	*BRAYSHAW, HENRY HARCOURT..	12th Bn. M.G.C., Jubbelpore, C. India.
4376	Oct. 1904	*BREBNER, ROBERT FREDERICK..	Monreith Estate Office, Whaapha Wigtownshire.
6537	Oct. 1912	*¶ BRETON, BERTRAM WALTER FREDERICK	42, St. James' Road, Brixton, S.W.
4917	Oct. 1906	*BRETTELL, CHARLES BANDON ..	Little Hill, Bonmoor, Herts.
7065	Oct. 1913	*¶ BREWER, GERARD LEO	
7066	Oct. 1913	*BRIDGER, ALEXANDER GUILLAN	85, Mora Road, Cricklewood, N. (Middlesex).
4918	Oct. 1906	*¶ BRIDGER, ARTHUR EDWARD ..	Greywell, Winchfield, Hampshire.
1663	Dec. 1889	*BRIDGFORD, LEO APPLETON ..	65, King Street, Manchester.
5885	Oct. 1910	*¶ BRIGDEN, WILLIAM ERNEST ..	8, Worthy Lane, Winchester.
8004	Oct. 1919	*BRIGG, JOHN HAGGAS	Britannia Barracks, Norwich.
5117	Oct. 1907	*BRIGGS, ALFRED DENBIGH ..	3, Warwick House Street, Cockspur Street, S.W.1.
8144	Oct. 1920	*¶ BRIGGS, GEORGE JAMES, JUNR.	"Allerton," Upper Tooting Park, S.W.17.
1374	Feb. 1887	*BRIGGS, JOHN	36, Tooting Bec Gardens, Streatham, S.
5411	Oct. 1908	*§ BRIGHT, TOM SPENCER	Tehidy Office, Camborne, Cornwall.
7787	Nov. 1918	*BRIMMELL, WILLIAM LANGDON	7, Salcombe Terrace, Plymouth Devon.
7067	Oct. 1913	*BRISSENDEN, CHARLES COOPER	Butts, Cousley Wood, Wadhurst, Sussex.
7068	Oct. 1913	*BRITAIN, FRANK	11, Park Road, Chiswick, W. (Middlesex).
8005	Oct. 1919	*BRITTENDEN, JAMES EDWARD..	44, Beechdale Road, S.W.2.
7788	Nov. 1918	*BRITTON, BERNARD CHARLES ..	Glendale, Vesey Road, Wylde Green near Birmingham.
6538	Oct. 1912	*BROAD, FREDERIC ARTHUR ..	3, Prospect Place, Swansea, S. Wales.
8006	Oct. 1919	*BROCKELBANK, COLIN TURNER SEYMOUR	Elm Lodge, The Glebe, Blackheath, S.E.3.
7069	Oct. 1913	*BRODIE, MATTHEW SCOTT	Burgh Surveyor's Office, Ayr, N.B.
4858	Feb. 1905	*¶ BROMLEY, ALAN	Town Surveyor's Office, Slough, Bucks.
4580	Feb. 1905	*BROMLEY, ROBERT CECIL	Homeleigh, Longlands Road, Sidcup, Kent.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1920	*§BROOKS, JOHN THOMAS ..	39, Sebert Road, Forest Gate, E.7 (Essex).
Oct. 1899	*BROOKS, WILLIAM NATHANIEL..	Tillhayes, Iwerne Minster, Blandford, Dorset.
Nov. 1918	*BROOKSBANK, ROBERT	5, Alma Grove, Basford Park, Stoke-on-Trent.
Jan. 1884	BROWN, ALEXANDER	Home Farm, Hothfield, Ashford, Kent.
Oct. 1912	*¶BROWN, ALFRED WILLOUGHBY HOPE	11, The Crescent, Barnes, S.W.13 (Surrey).
Feb. 1899	*¶BROWN ARTHUR FREDERICK ..	11, Little College Street, Westminster, S.W.
Oct. 1906	*¶§BROWN, CHARLES GEORGE ..	Launceston Lodge, Chorley Wood West, Herts.
Oct. 1913	*¶†BROWN, EDGAR OSWALD..	6, Russell Gardens, Golders Green, N.W.4.
Oct. 1912	*¶BROWN, EDWARD JAMES..	5, North Terrace, Cherryhinton, Cambridge.
Oct. 1920	*BROWN, EDWARD WALTER WILLIAM	Erlistoke, Woodhouse Road, N.12. (Middlesex.)
Oct. 1921	*BROWN, EGERTON EDWARD MORRIS	89, Windsor Road, Penarth, Glam.
Oct. 1921	*¶BROWN, FRANCIS HAROLD PRITCHETT	Lea Villa, Locks Hill, Frome, Somerset.
Oct. 1921	*¶BROWN, FRANK	c/o Messrs. Herring, Son & Daw, 100c, Queen Victoria Street, E.C.4.
Oct. 1909	*BROWN, GEORGE MACDONALD ..	Okeford, Tring, Herts.
Oct. 1902	*BROWN, JAMES CARTER ..	Harper-Adams Agricultural College, Newport, Shropshire.
Oct. 1901	*BROWN, JOHN	Abingdon Street, Northampton.
Oct. 1912	*¶BROWN, LEONARD JOHN ..	172, Ribblesdale Road, Streatham, S.W.
Oct. 1898	*BROWN, THOMAS, JUN. ..	St. Andrew's Churchyard, Penrith, Cumberland.
Oct. 1911	*BROWN, THOMAS STANLEY ..	Dalkey, Ballbrook Avenue, Withington, Manchester.
Oct. 1908	*¶BROWN, WILLIAM ALFRED..	The Willows, Gunville, Carisbrooke, I. of W.
Dec. 1887	*BROWN, WILLIAM EDWARD ..	Bude, Hyde Road, Watford, Herts, and 22, Savile Row, Regent Street, W.
Feb. 1894	*BROWN, WILLIAM LOBIN TRANT	332, High Road, Kilburn, N.W.
Oct. 1900	*BROWNING, EGBERT GEORGE ..	89, Orford Road, Walthamstow, E. (Essex).
Oct. 1894	*BRUCE, ALEXANDER DAVID ..	Elvetham Estate Office, Winchfield, Hants.

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6545	Oct. 1912	*BRUCE, REGINALD	Hypatia, Rockingham Avenue, Ro ford, Essex.
8147	Oct. 1920	* BRUNT, FRANK, CAPT.	18, Abbey Road, Oxford.
4639	Oct. 1905	*||BRUZAUD, SIDNEY JOHN	25, Corringham Road, Golders Gre N.W.11 (Middlesex).
3652	Oct. 1900	*BRYAN, ARTHUR	1, Broad Street Place, E.C.
5889	Oct. 1910	*||BRYANS, MAURICE EDWARD	
7072	Oct. 1913	*BUCK, EDWARD MARTIN, M.C.	29, Droitwich Road, Worcester.
944	May 1883	BUCKLAND, WILLIAM THOMAS	72, Clifden Road, Twickenham, Mide sex.
8007	Oct. 1919	*||\$BUCKLEY, CYRIL HUGH	9, Tollington Place, N.4.
4547	Oct. 1912	*BUCKMASTER, HERBERT HAMBLE- TON	Norbury-Smith & Co., 5, Geo Street, W.1.
3801	Oct. 1901	*BULL, THOMAS HENRY	London County Council, Architect's partment, S.W.
8438	Oct. 1921	*||BULLER, FREDERICK ARTHUR	63, Schubert Road, Putney, S.W.
4640	Oct. 1905	*BULLOCK, BURNETT	Milburn House, Mi'cham, Surrey.
8148	Oct. 1920	*||BULSTRODE, CHARLES LEONARD	13, Stour Road, Christchurch, Har
6180	Oct. 1911	*||BUMPSTEAD, ALBERT DENNIS	70, Heath Gardens, Twickenham Middlesex.
4923	Oct. 1906	*BUNTING, ALFRED HENRY	14, Morden Road, Stechford, B mingham.
5634	Oct. 1909	*BURBIDGE, FREDERICK CHARLES	
6181	Oct. 1911	*||BURFORD, JAMES ALFRED HEATH	Surveyor's Office, Bromsgrove U.D. Worcestershire.
4143	Oct. 1903	*||BURGE, ARTHUR JOHN	31, St. John's Hill, Clapham Ju tion, S.W.11.
7073	Oct. 1913	*||BURGE, GILBERT ALBAN	c/o Mr. Eyles of Messrs. Sinnott & Son, 12, Broad Street, Bristol.
5891	Oct. 1910	*||BURGESS, ARTHUR	31, Parkfield Road, Sefton Park, L pool.
7790	Nov. 1918	*||BURKITT, CECIL	3, Westbourne Road, Barnsbury, N
4859	Feb. 1906	*||BURKITT, HAROLD, M.SC. (<i>Dur- ham</i>), N.D.A.	Woodside House, Witton Park, Co. Durham.
5414	Oct. 1908	*BURN-CALLANDER, CUTHBERT	The Cottage, Barford, Warwick.
7791	Nov. 1918	*BURNETT, ANDREW STUART	2, High Street, Southampton.
8149	Oct. 1920	*||BURNETT, DONALD	91, Ryelands Street, Hereford.
8150	Oct. 1920	*BURNETT, WILLIAM JOHN FELIX	"Fairmead," Beaulieu Villas, F bury Park, N.4 (Middlesex).
7074	Oct. 1913	*BURRELL, FRANK	"Moana," New Park Road, V Southbourne, Bournemouth, H
5435	Oct. 1909	*||BURROWS, EDWARD CRAWFORD. MAJOR, M.C.	Messrs. Toplis & Harding, 28, Jewry, E.C.2.
3204	Oct. 1897	*||BURROWS, FRANK HERBERT	Little Tinton, Warchorne, near ford, Kent.
5636	Oct. 1909	*||BURROWS, P. CHAS.	Elmdene, Runnemedede Road, Egl Surrey.

	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
4	Oct. 1903	*¶BURSTOW, RALPH HENRY	46, Station Road, Bexhill-on-Sea, Sussex.
5	Oct. 1913	*¶BURT, DOUGLAS ALLAN	18, Cross Lane, Andover, Hants.
1	Oct. 1920	*¶BURT, WALTER LESLIE	Penland, Steyning, Sussex.
2	Oct. 1920	*¶BURTON, ERNEST	35, Byron Street, Patricroft, near Manchester.
2	Oct. 1904	*BURTON, GEORGE FREDERICK ..	The Starkies, Manchester Road, Bury Lancashire.
39	Oct. 1921	*¶BURTON, REGINALD JOHN CROFT	Roseneath, Valley Road, Kenley, Surrey.
76	Oct. 1913	*BURTON, WALTER WILLIAM ..	159, Fenchurch Street, E.C.
82	Oct. 1911	*BURY, WILLIAM NEVILLE BROAD- BENT	8, John Dalton Street, Manchester.
112	Dec. 1887	*BUSS, FLEETWOOD GEORGE WILLIAM	4, Verulam Buildings, Gray's Inn, W.C.
537	Oct. 1909	*BUTLER, REGINALD	Clyde House, 51, Romford Road, Stratford, E. (Essex).
125	Oct. 1907	*¶BUTLER, THOMAS LIONEL	8, Henrietta Street, Covent Garden, W.C.2.
77	Oct. 1913	*¶BUTLIN, HENRY SELWYN	27, St. Johns Road, March, Cambridge- shire.
393	Oct. 1910	*BUTTERFIELD, HENRY AMBLER. MAJOR, A.M.I.C.E.	County Hall, W. Riding Surveyor's Dept., Wakefield, Yorkshire.
926	Oct. 1906	*BUTTRICK, WALTER HAMMOND ..	Bank Chambers, 109, High Street, Scunthorpe, Lincs.
551	Oct. 1912	*¶BYRON, EDMUND MOORE	c/o E. S. Cox, Esq., Beechlands, York.
78	Oct. 1913	*BYWATERS, STEWART FRANK ..	Mayes Place, Warlingham, Surrey.
440	Oct. 1921	*¶CAFFYN, SIDNEY CHARLES ..	1, Church Street, Leatherhead, Sur- rey.
905	Jan. 1922	CALDWELL, FRED	52, Ashbourne Road, Aigburth, Liverpool.
927	Oct. 1906	*CALLF, GEORGE STUART	Mill Lodge, Seaford, and c/o Stuart Callf and Co., Terminus Buildings Seaford, Sussex.
94	Oct. 1910	*¶CALLOW, CLAYTON HAROLD ..	47, Havelock Road, Hastings.
153	Oct. 1920	*¶CALVERLEY, GEORGE	1, West View, Newton Hill, nr. Wakefield.
982	Oct. 1913	*CAMERON, CHARLES GRANT ..	Brae Cottage, Hopeman, Morayshire.
54	Oct. 1920	*§CAMERON, DONALD	4, Lower Clarence Road, Norwich.
908	Oct. 1919	*¶CAMERON, ROBERT	Argyll County Education Authority Dunoon, Scotland.

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3359	Oct. 1898	*CAMPBELL, CHARLES HOWARD ..	Land Office, Mombasa, B.E.A.
8441	Oct. 1921	*CAMPBELL, CYRIL HERBERT ..	The Cottage, Powis Castle Park, Welshpool, Mont.
4928	Oct. 1906	*CAMPBELL, NICHOLAS PETERSON	100, Donore Avenue, South Circular Road, Dublin.
6552	Oct. 1912	*SCANHAM, ERNEST REGINALD ..	4, Frederick's Place, E.C.
7083	Oct. 1913	*CAPE, JAMES DUNCAN	County Buildings, Dunfermline.
5895	Oct. 1910	*CAPPER, WILLIAM	District Valuer's Office, 53, Stoke Newington Road, Shelton, Stoke - on - Trent Staffs.
8155	Oct. 1920	*CARLESS, JAMES KINGDON ..	11, Old Queen Street, Westminster S.W.1.
5898	Oct. 1910	*CARLISLE, WILLIAM JOSEPH ..	
7084	Oct. 1913	*CARNABY, HAMMOND RIDLEY ..	12, Woolay Hill, Selby Oak, Birmingham.
8156	Oct. 1920	*CARPENTER, GEORGE THOMAS	W. Riding Surveyors' Department, County Hall, Wakefield.
5415	Oct. 1908	*CARPENTER, ROBERT HENRY ..	"Parkwood," St. Swithuns Terrace, Lewes, Sussex.
3360	Oct. 1898	*CARR, HERBERT FRANCIS	52, Golders Green Road, N.W. (Middlesex).
6186	Oct. 1911	*CARR, RANDLE WILLIAM, M.R.A.C.	16, Alfred Street, Bath.
8442	Oct. 1921	*CARTER, CHARLES	Estate & Valuation Dept., L.C.C., 9, Spring Gardens, S.W.1.
7086	Oct. 1913	*CARTER, GEORGE RALPHS	District Valuer's (County) Office, Upper Parliament Street, Nottingham.
4648	Oct. 1905	*CARTER, JOHN EDWARD	38, Tierney Road, Streatham Hill, S.W.
8157	Oct. 1920	*CASELEY, JOHN REGINALD ..	299, Ewell Road, Surbiton, Surrey.
4929	Oct. 1906	*CASS, ALEXANDER JAMES	46, Hardy Road, Westcombe Park, S.W.
5128	Oct. 1907	*CASTELL, DOUGLAS CHARLES ..	2, Pont Street, Belgrave Square, S.W.
7088	Oct. 1913	*CATCHPOLE, WILLIE DAVID ..	The Cottage Mill House, Great Barton, Bury St. Edmund's.
8443	Oct. 1921	*CATHRALL, LEONARD GWILT ..	Brook Villa, Mold, Flintshire.
3803	Oct. 1901	*CATLEUGH, WILLIAM DENZIL ..	14, Reville Road, Cottenham Park, West Wimbledon, S.W. (Surrey).
4111	Feb. 1903	*CATON, THOMAS LINFIELD	Walter House, 418-422, Strand, W.C.
8158	Oct. 1920	*CATON, WILFRED ABRAHAM ..	30, Vicarage Gardens, Seven Kings, Essex.
5053	Oct. 1912	*CATTLIN, OSMOND, A.M.I.C.E. ..	Deputy Borough Engineer, Lambeth Town Hall, Brixton, S.W.2.
7091	Oct. 1913	*CHADWICK, SAMUEL MOORE ..	Pond Hill, Shorncliffe Camp, Kent.
1572	Jan. 1889	*CHALCRAFT, HENRY TERRELL ..	62, Bishopsgate, E.C.
7793	Nov. 1918	*CHALLICE, JOHN	7, Bedford Circus, Exeter.
6956	Feb. 1913	*CHALLIS, FRANK GORDON	c/o District Valuer, 3, Offa Street, Hereford.
5638	Oct. 1909	*CHAMBERLAIN, BENJAMIN	"Pendennis," Sherwood Park Road, Sutton, Surrey.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1906	*CHAMBERLAIN, HARRY SAMUEL..	91, St. Andrew's Road, Southsea, Hants.
Nov. 1918	*§CHAMBERLAIN, REGINALD PERCY, CAPT., M.C. . . .	23, Fosse Road Central, Leicester.
Oct. 1912	*CHAMBERLAIN, THOMAS CHANDLESS	The Limes, Takeley, Herts.
Oct. 1920	*¶CHAMBERLAIN, WALTER ERNEST	119, Albion Road, Stoke Newington, N.
Oct. 1912	*CHAMBERS, HAROLD JOHN LAVENDER	Corn Hall Buildings, Cirencester.
Oct. 1913	*CHAMBERS, JOHN FRANCIS..	4, Belgravia, Goole, Yorks.
Oct. 1893	*CHAMPION, GEORGE ERNEST ..	Redwall Farm, Linton, Kent.
Oct. 1907	*¶CHAMPION, WILLIAM HALL..	Woodville, Pitsmoor, Sheffield.
Jan. 1922	CHANDLER, E. H.	Mount Pleasant, Overhill Road, Dulwich, S.E.22.
Oct. 1909	*CHANT, ARTHUR GUY	35, Spencer Street, Carlisle.
Oct. 1912	*¶CHAPMAN, DONALD LE CRONIER	92, High Street, Notting Hill Gate, W.11.
Oct. 1921	*¶CHAPMAN, FREDERICK MONT- AGUE	West Dean, Chichester.
Oct. 1909	*CHAPMAN, JOHN FRANK	8, Hilton Avenue, North Finchley, N.12 (Middlesex).
Nov. 1918	*§CHAPMAN, OSCAR ALLEN, CAPT.	9, Victoria Mansions, Sumatra Road, West Hampstead, N.W.6.
Oct. 1911	*¶CHAPMAN, RICHARD THWAITE, A.R.I.B.A.	Highrigg, Eastbourne Grove, Heaton, Bolton, Lancashire.
Dec. 1883	CHAPMAN, VAUGHAN GODFREY ST. JOHN	1, Laurel Road, Hatfield Road, St. Albans, Herts.
Oct. 1920	*CHAPPELL, JOHN	45, Station Road, Reddish, Stockport.
Oct. 1904	*CHAPPLE, JOHN GRADDON..	59, Burnaby Gardens, Chiswick, W. (Middlesex).
Oct. 1913	*CHARITY, FREDERICK WILLIAM	Glencoe, Woodside Avenue, Esher, Surrey.
Oct. 1909	*CHARLES, JOHN ACHESON .. .	82, Park Drive, Barrow-in-Furness, Lancashire.
Feb. 1901	*CHARLES, MICHAEL THOMAS, B.A. (<i>Cantab.</i>)	Fruitlands, Eynsham, Oxon.
Oct. 1906	*CHART, STEPHEN.. . . .	Greenview, Mitcham, Surrey.
Oct. 1903	*CHARTRES, FREDERICK WILLIAM CHARLES	Whitehall, Willingham, Beccles, Suffolk.
Oct. 1909	*¶CHASEMORE, ALEC.	Ashleigh, Horsham, Sussex.
Oct. 1912	*¶CHAWORTH-MUSTERS, JOHN NEVILE	Annesley Park, Nottingham.
Oct. 1912	*CHEESEWRIGHT, ERNEST .. .	56, St Kilda Road, West Ealing, W. (Middlesex).
Oct. 1912	*CHEESEWRIGHT, FREDERICK CECIL	5, Lyndhurst Road, Peckham, S.E.

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7096	Oct. 1912	*CHEESMAN, GEORGE	Housing Commission, Quebec House, Quebec Street, Leeds.
8445	Oct. 1921	*CHENEVIX-TRENCH, HUGO	Park Farm House, Woburn, Bedfordshire.
6560	Oct. 1912	*CHENNELLS, ARTHUR JOHN	c/o Wilkinson, Son & Welch, 17, North Street, Brighton.
8446	Oct. 1921	*CHERRY, ALBERT EDWIN	97, Church Lane, Mill End, Rickmansworth, Herts.
8447	Oct. 1921	*CHESSOR, GEORGE CLINTON	Claremont, Victoria Street, Fraserburgh, N.B.
7097	Oct. 1913	*CHESTER, HENRY DIBBLE	
5131	Oct. 1907	*CHEW, PERCIVAL THOMAS	Borough Surveyor's Office, Town Hall, Paddington, W.
4387	Oct. 1904	*CHEW, RICHARD, MAJOR	47, Cathcart Road, S. Kensington, S.W.10.
6189	Oct. 1911	*CHEYNE, ALEXANDER	Durham County Council, Sedgfield, Ferryhill, Durham.
5645	Oct. 1909	*CHILCOTT, ARTHUR SAMUEL FAIR- WEATHER	10, Lonsdale Road, South Norwood, S.E. (Surrey).
2509	Nov. 1892	*CHILD, CHARLES	Slinfold, near Horsham, Sussex.
1526	Dec. 1888	*CHILD, EDMUND HERBERT, A.R.I.B.A.	12, Middle Pavement, Nottingham.
4860	Feb. 1906	*CHILD, GEORGE MALCOLM	8, Esmond Road, Bedford Park, W. (Middlesex).
3208	Oct. 1897	*CHIPP, GEORGE	24, South Street, Greenwich, S.E.
3520	Oct. 1899	*CHURCH, GEOFFREY REDMORE	1, Welbeck Court, Addison Bridge, Place, Kensington, W.14.
8161	Oct. 1920	*CLACK, JOHN	"Woodthorpe," St. James Avenue, Hampton Hill, Middlesex.
6192	Oct. 1911	*CLARK, ALEXANDER NEILSON	Architects Office, 21, Lombard Street, E.C.
5351	Feb. 1908	*CLARK, CHARLES FOWLER	44A, Wellington Road, St. John's Wood, N.W.
6193	Oct. 1911	*CLARK, CHARLES WALTER	The Cottage, Meath Green, Horsham, Surrey.
4651	Oct. 1905	*CLARK, CUTHBERT HARVEY	8, New Cavendish Street, W.
4146	Oct. 1903	*CLARK, HERBERT	47, Mecklenburgh Square, W.C.2.
4653	Oct. 1905	*CLARK, LOUIS VAN	c/o F. Butcher, 7, Tressillan Crescent, St. Johns, S.E.
6109	Feb. 1911	*CLARK, PHILIP LOCKHART	28, Lochaker Street, Roath, Pa. Cardiff.
6562	Oct. 1912	*CLARK, ROBERT CHARLES	30, Bedford Road, Harrow.
7099	Oct. 1913	*CLARK, SIDNEY	10, Guildford Place, Bloomsbury, W.C.1.
7100	Oct. 1913	*CLARK, WILLIAM CAMPBELL	Bothal, Morpeth, Northumberland.
6563	Oct. 1912	*CLARK, WILLIAM ERNEST	Westholme, Heage Road, Ripley, Derbyshire.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Nov. 1918	*¶CLARK, WILLIAM GEORGE AUSTIN	24, Addiscombe Court Road, Croydon.
Oct. 1912	*CLARK, WILLIAM HENRY	16, Shrub End Road, Colchester.
Oct. 1912	*¶§CLARKE, FRANK HAROLD	Brentwood, Maple Grove, Prestwich, Manchester.
Oct. 1921	*¶CLARKE, FREDERICK EDWARD	Yew Tree Lodge, Feltham Hill Road, Ashford, Middlesex.
Oct. 1912	*CLARKE, JAMES ANDREW	354, Waterloo Road, Cheetham Hill, Manchester.
Oct. 1905	*¶CLARKE, PERCY CHRISTOPHER	Longthorpe, Peterborough.
Oct. 1913	*CLARKE, PERCY EDWARD	Reaseheath, Nantwich, Cheshire.
Oct. 1905	*¶CLARKE, THOMAS GUY	2, Palace Road, Llandaff, Glamorgan-shire.
Oct. 1913	*CLARKE, VINCENT COOPER	13, Park Place, St. James's Street, S.W.1.
Oct. 1913	*¶CLARKE, WILLIAM THOMAS	Crossley Buildings, 18A, South Castle Street, Liverpool.
Oct. 1910	*¶CLARKSON, JOHN	74, Aberdour Road, Goodmayes, Essex.
Oct. 1912	*CLAYTON, JOSHUA	High Row Chambers, Darlington, Durham.
Feb. 1913	*CLEMENS, WILLIAM CECIL, A.M.I.C.E.	64, Downton Avenue, Streatham, S.W.2.
Oct. 1921	*¶CLEMO, JAMES	159, Eastbourne Avenue, Hamilton, Ontario, Canada.
Oct. 1913	*¶CLEVELY, FRANK DAVIS	14, Douglas Avenue, Wembley, Middlesex.
Oct. 1913	*CLEWORTH, WILLIAM ARMINE	Bunbury, Tarporley, Cheshire.
Oct. 1912	*¶CLIFTON, CHARLES	6, Clifton Road, Brighton.
Jan. 1922	CLINCH, E. A.	8, Halliford Street, Canonbury, N.1.
Oct. 1911	*CLIPSON, SAMUEL	Surveyor's Dept., Municipal Offices, Dyne Road, Kilburn, N.W.6. (Middlesex).
Oct. 1905	*¶CLOSE, HUBERT JOHN	18, Sneath Avenue, Golder's Green Road, N.W. (Middlesex).
Oct. 1906	*CLOUGH, HERBERT HEALEY	25, Fenton Street, Rochdale, Lancs.
Oct. 1913	*¶CLOUGH, WILLIAM HOWE	8, Simonside Terrace, Heaton, Newcastle-on-Tyne
Oct. 1912	*CLOWES, WILLIAM LEONARD	18, Salisbury Road, Plymouth.
Nov. 1918	*COALES, HERBERT WALLIS, CAPT. M.C.	Engineer's Office, Cole Hall Sewage Works, Yardley, Birmingham.
Oct. 1900	*COBB, HENRY ALFRED WILLIAM	1, Nimrod Road, Streatham, S.W.
Oct. 1897	*COBBE, HENRY ALEXANDER	The Gables, Bramford, near Ipswich.
Oct. 1913	*COCKERTON, ARTHUR EDMUND	County Surveyor, Oxford.
Oct. 1919	*¶CODLING, ALFRED JOHN	394, Richmond Road, Twickenham, Middlesex.
Oct. 1920	*¶COFFIN, BERTRAM GILBERT	17, Bedford Row, W.C.1.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address
8011	Oct. 1919	*¶COGSWELL, DOUGLAS RUPERT ..	122, Gladys Avenue, North End, Portsmouth.
6197	Oct. 1911	*COIGLEY, HAROLD RICHARD ..	15 & 16, Nassau Street, Mortimer Street, W.1.
3809	Oct. 1901	*COKER, HARRY REGINALD ELLIS	106, Peckham Rye, S.E.15.
3976	Oct. 1902	*COKER, RALPH HECTOR	c/o A. Edmunds & Co., Ltd., 29 & 30, High Holborn, W.C.1.
7799	Nov. 1918	*¶COLBECK, HENRY, A.R.I.B.A. ..	14, Grange Road, Ealing, W.5 (Middlesex), and 14, Union Court, Old Broad Street, E.C.2
7800	Nov. 1918	*¶COLE, FREDERICK WILLIAM ..	10, Dorlcote Road, Wandsworth Common, S.W.18.
7110	Oct. 1913	*¶COLEMAN, CYRIL FRANK	1, Highbury Villas, Cotham, Bristol.
6133	Oct. 1907	*COLLARD, PERCY WILLIAM	90, North Side, Wandsworth Common, S.W.18.
5903	Oct. 1910	*COLLINS, ISAAC	The Hectorage, Tunbridge, Kent.
5904	Oct. 1910	COLLINS, JAMES STANLEY	31, High Street, Guernsey, Channel Islands.
8012	Oct. 1919	*COLLINS, PHILIP HOWARD ..	Ellerslie, Aldenham Road, Bushey, Herts.
8450	Oct. 1921	*¶COLLINS, SYDNEY HERBERT	35, Addington Road, Reading.
7111	Oct. 1913	*COLLINS, WILLIAM RICHARD ..	Council Offices, Ham, Surrey.
6573	Oct. 1912	*¶COLLIVER, ARTHUR HENRY ..	Bukda, Tanganyika Territory, Africa.
4150	Oct. 1903	*COLLYER, CHARLES ALEXANDER STEWART	Toddington, Winchcombe, Glos.
1831	May 1890	*COLLYER, DANIEL WILLIAM ..	34, Miller Arcade, Preston, Lancashire.
4390	Oct. 1904	*¶COMMANDER, CHARLES CURTIS ..	Land Agent's Office, G.E.R., Liverpool Street Station, E.C.
5648	Oct. 1909	*CONRAN, WILLIAM ADAM BASTARD	Woolston, Loddiswell, South Devon.
6198	Oct. 1911	*CONDER, ALFRED ROWLAND, A.R.I.B.A.	42, Cecile Park, Crouch End, N.1 (Middlesex).
3524	Oct. 1899	*¶COOK, EDWARD ARTHUR	Leacroft, 3, St. Edmund's Road, Ipswich.
3662	Oct. 1900	*COOK, FREDERICK CHARLES ..	City Engineer's Office, Oxford.
7801	Nov. 1918	*COOK, SAUNDERSON SAUNDER ..	Wynnstay, Meadow Road, Loughton, Essex.
3212	Oct. 1897	*COOKE, FREDERICK ROPER ..	4, Quex Road, High Road, Kilburn, N.W.
8451	Oct. 1921	*¶COOKE, REGINALD ARTHUR ..	Crossfield House, Winsford, Cheshire.
6363	Oct. 1900	*¶COOKE-YARBOROUGH, ORFEUR FREDERIC	Wensley House, Leyburn, Yorkshire.
8452	Oct. 1921	*¶COOMBE, GEORGE ARNOLD ..	200, High Street, Barnet, Herts.
6135	Oct. 1907	*COOPER, BERTIE	Borough Surveyor's Office, Town Hall, Paddington, W.
4392	Oct. 1904	*¶COOPER, CECIL FRANCIS ADRIAN	c/o Messrs. Cox & Co., H. Dept., Charing Cross, S.W.1.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1913	*¶ COOPER, FRANCIS WILLIAM ..	3, Wrightington Street, Wigan.
Oct. 1911	*¶ COPE, REGINALD, CAPT., R.E. ..	c/o A. Rutter Sons & Co., 30, Abbey- gange, Bury St. Edmund's.
Oct. 1898	*¶ COPE, WILLIAM GEORGE	6, Old Quebec Street, Marble Arch, W.
Oct. 1911	*¶ CORBETT, WILLIAM	28, Arlington Street, Glasgow.
Oct. 1904	*CORBLE, ARCHIBALD HARRISON ..	21, FitzJohn Avenue, Hampstead, N.W.3.
Oct. 1905	*¶ CORFIELD, ARTHUR KING	1, Windsor Avenue, New Longton, near Preston, Lancs.
Oct. 1919	*¶ CORK, RONALD JOHN	21, Gap Road, Wimbledon, S.W.19 (Surrey).
Oct. 1911	*CORNELL, WILLIAM ARTHUR ..	c/o Messrs. Palmer & Turner, Architects and Surveyors, Hong Kong.
Oct. 1903	*CORNWELL, WILLIAM JAMES ..	5, Douglas Street, Vickerstown, Barrow- in-Furness, Lancashire.
Oct. 1921	*¶ COSSHAM, PHILIP RAYMOND ..	Wellesley House, Cirencester, Glos.
Nov. 1918	*¶ COSSINS, CHARLES GEORGE ..	413, Oxford Street, W.1.
Oct. 1904	*COTCHING, GEORGE FREDERICK ..	26, Chapel Road, Worthing, Sussex.
Oct. 1903	*COTTAM, HARRY, A.M.I.C.E. ..	Resident Engineer, Fylde Water Board, Hodder Valley Works, Dale Head, Clitheroe.
Oct. 1913	*¶ COUCHER, ALFRED EDWIN RENESON	27, Quebec Street, W.1.
Oct. 1911	*COULDREY, HERBERT MILL ..	Sunniva, Paignton, Devon.
Nov. 1918	*COULSON, ERIC JAMES	34, Abbots Road, Kings Heath, Bir- mingham.
Oct. 1911	*COULTHARD, JOSEPH	Abbagarth, Osbaldwick, York.
Oct. 1913	*COUNSELL, WILLIAM ANDERSON	Union Valuer's Office, 160, Walker Street, Preston, Lancs.
Oct. 1912	*COUSINS, WALTER HORACE ..	Eastover, Bridgwater.
Oct. 1908	*COVENTRY, BERNARD SETON ..	Burgate Manor, Fordingbridge, Hants.
Oct. 1915	*¶ COVER, GEORGE WILLIAM ..	Tirbach, Cwm Taff, near Merthyr Tydfil.
Oct. 1908	*¶ COVERNTON, CHRISTOPHER ALAN	District Engineer's Office, S. African Rlys., Relaying, Dundee, Natal, Africa.
Oct. 1895	*COWELL, HERBERT LEE	Central Chambers, Newquay, Cornwall.
Oct. 1920	*¶ COWLEY, ERNEST ROBERT ..	13, Agamemnon Road, West Hamp- stead, N.W.6.
Oct. 1905	*¶ COWLEY, HERBERT REGINALD ..	24, High Street, Southend-on-Sea, Essex.
Feb. 1882	COWPER, RICHARD WILLIAM ..	81, High Street, Sittingbourne, Kent.
Oct. 1905	*¶ COX, DOUGLAS HAROLD	345, Finchley Road, N.W.3.
Oct. 1912	*COX, GORDON WILKINSON ..	Kinbrae, Chelston, Torquay, Devon.
Oct. 1911	*COX, NORMAN WILKINSON ..	307, Goldhawk Road, W.12.

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4933	Oct. 1906	*COX, VICTOR JENNINGS	Alfriston, Hadley Road, New Barn Herts.
7805	Nov. 1918	*COX, WILLIAM DOUGLAS	24, Lothian Road, Middlesbrough, Yorkshire.
5137	Oct. 1907	*¶CRABB, ARTHUR HORACE	H.M. Office of Works, Housing Sell Elston Road, Bedford.
5578	Oct. 1912	*CRAGG, WALTER	13, Clifton Avenue, Altrincham, Cheshire.
6207	Oct. 1911	*CRAIG, ANDREW, JUN.	194, West George Street, Glasgow.
7692	Nov. 1916	*¶CRAIG, JOSEPH HUGH	Rosario, Rosetta Park, Belfast.
5572	Feb. 1909	*¶CRANFIELD, GUY WILLIAM, MAJOR, M.B.E.	Bramley House, Enfield, Middlesex.
8164	Oct. 1920	*¶CRAWFORD, JAMES JACK	Rock View, Dumbarton.
615	Mar. 1881	CRESSWELL, JOHN THEODORE ROSS	5, Great College Street, Westminster, Abbey, S.W.
7117	Oct. 1913	*¶CRICHTON, JAMES STUART	52, Elderslie Street, Glasgow.
4934	Oct. 1906	*CRIMES, FREDERIC CHARLES	Kidsgrove U.D.C., Surveyor's Office, Kidsgrove, Staffs.
8454	Oct. 1921	*¶CROFTS, PETER EWAN	2, St. Paul's Square, Bedford.
5528	Oct. 1899	*CROOK, HOLLIS AUGUSTUS	311, Kentish Town Road, N.W.
8165	Oct. 1920	*¶CROSBY, ARTHUR BENSON	65, Chesham New Road, Bury.
8908	Jan. 1922	CROSER, A. W.	Roll's Chambers, 89, Chancery Lane, W.C.
4935	Oct. 1906	*CROSS, CLEMENT	18, Walbrook, E.C.
6580	Oct. 1912	*CROSS, CYRIL JOHN, CAPT.	51, Broadgate, Preston.
4936	Oct. 1906	*CROSS, PEMBROKE HENRY COCKAYNE	30, Regent Street, S.W.1.
8455	Oct. 1921	*¶CROSSE, ARTHUR MEREDITH	Stone House, Southwold, Suffolk.
8456	Oct. 1921	*¶CROSSLAND, HARRY EWART	30, Highgate, Beverley, Yorks.
5649	Oct. 1909	*CROSSLEY, THOMAS EDGAR	Engineers' Dept., Great Southern Railway, Buenos Aires, Argentina, S. America.
7118	Oct. 1913	*CROSSLEY, VERNON	61, Hollingworth Road, Littleborough, near Manchester, Lancashire.
7806	Nov. 1918	*CROUCH, GEOFFREY THOMAS	Bruton Lodge, Castle Avenue, Bury, End, Chingford, E.4. (Essex).
7119	Oct. 1913	*CROUCH, GERALD LINFORD	
4396	Oct. 1904	*CROWLEY, WALTER ST. LEGER	32, Hall Place, Spalding, Lincs.
6209	Oct. 1911	*CRUMP, THOMAS GRAHAM	1, Addiscombe Road, East Croydon, Surrey.
6210	Oct. 1911	*¶CRUNDALL, WILLIAM HENRY	c/o Standard Bank, Nairobi, B. Africa.
5324	Feb. 1910	*CUBITT, ERNEST JAMES	13, Goldsmith Avenue, Acton, W.
4397	Oct. 1904	*¶CUBITT, HORACE WILLIAM, A.R.I.B.A.	7, New Square, Carey Street, W.C.
8166	Oct. 1920	*¶CULLEN, ALEXANDER, A.R.I.B.A.	14, Hamilton Park Terrace, Glasgow, W.

P. O.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
27	Nov. 1918	*CULLINGTON, STANLEY CYRIL..	85, Farrant Avenue, Wood Green, N.22 (Middlesex).
37	Oct. 1906	*CULME-SEYMOUR, ARTHUR GRANVILLE	Glenville, Bitterne, Hants.
57	Oct. 1920	*CUMBERLAND, STEPHEN	Surveyor's Department, County Hall, Wakefield.
58	Oct. 1920	*CUNNAH, GEORGE OSBORNE	"Broomleigh," Westfield Lane, Mans- field.
42	Oct. 1907	*CUNNINGHAM, WILLIAM FRED- ERICK	Newstead, Southwood Road, New Eltham, S.E.9.
21	Oct. 1913	*CURRALL, EDWARD PERCY.. ..	c/o Britannia Tube Co., Ltd., Glover Street, Birmingham.
35	Oct. 1912	*CURTIS, FREDERICK JOHN	64, Hillier Road, Wandsworth Com- mon, S.W.
07	Oct. 1910	*CURTISS, EDWARD HERBERT ..	Valuation Office, 111-113, Great Port- land Street, W.
16	Oct. 1897	*CUSHEN, CHARLES OSMON	Down Cottage, Cliff End, Purley, Surrey.
98	Oct. 1904	*CUTLER, FRANK SYDNEY	Borough Surveyor's Dept., Town Hall, Marlborough, Wilts.
93	Oct. 1915	*CUTMORE, HENRY JAMES	76, Rosebank Avenue, Harrow.
50	Oct. 1909	*CUTTS, EDWARD JAMES	99, Pevensey Road, Eastbourne, Sussex.
29	Oct. 1908	*DABBS, DOUGLAS WILLIAM ..	74, Stamford Hill, N.
86	Oct. 1912	*DABORN, ALWYNE VICTOR.. ..	21, Lower Teddington Road, Hamp- ton Wick, Middlesex.
56	Feb. 1897	*DAFFORN, GEORGE BERTIE	25, High Street, Wimbledon Common, S.W. (Surrey).
15	Oct. 1901	*DALE, EDWARD SYDNEY WILSON	c/o Messrs. Simmons & Co., Basing- stoke, Hants.
45	Feb. 1912	*DALLEY, REGINALD ARTHUR..	The Cedars, Kidderminster, Worcester- shire.
39	Oct. 1920	*DALTON, HERBERT BATES	Survey Dept., Accra, Gold Coast.
89	Oct. 1898	*DANCASTER, ARTHUR	14, Tregonwell Road, Bournemouth.
23	Oct. 1913	*DANIELS, REGINALD ARTHUR ..	The Birches, Mile End Road, Norwich.
57	Oct. 1921	*DANIELS, THOMAS GOLDS- WORTHY	69, Derby Lane, Stoneycroft, Liver- pool.
08	Nov. 1918	*DARBY, NICHOLAS HENRY NELSON	Elm Villa, Courtenay Road, Newton Abbot, S. Devon.
56	Oct. 1903	*DARLEY, ROBERT BRADSHAW, CAPT.	Sutton Bridge, Lines.
25	Feb. 1910	*DARNELL, CHARLES TILLEY ..	The Gables, Blaby, near Leicester.
94	Oct. 1915	*DARTNALL, ERNEST VICTOR ..	Forest House, High Stone, Leyton- stone, Essex.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6212	Oct. 1911	*¶ DARTNALL, JAMES AMBROSE ..	8, Colworth Road, Leytonstone, E.
8458	Oct. 1921	*¶ DARVILL, DOUGLAS HARRY ..	c/o T. McQueen, The Gables, F. Holk, Cape Town.
5652	Oct. 1909	*¶ DASH, ROYDON ENGLEFIELD ASHFORD	Chief Valuer's Office, Valuation Off. Lincoln's Inn Fields, W.C.2.
4400	Oct. 1904	* DAVENPORT, GILBERT CAPELL ..	Damerham, Salisbury.
4665	Oct. 1905	* DAVENPORT, HERBERT	75, Rectory Grove, Clapham, S.W.
6889	Oct. 1912	*¶ DAVEY, EDWIN CLISSOLD	7, Belgrave Road, S.W.1.
2574	Oct. 1893	* DAVID, GEORGE WILLOUGHBY, B.A. (<i>Cantab.</i>)	11, Cathedral Road, Cardiff.
6590	Oct. 1912	* DAVIDSON, GEORGE SPENCE, D.S.C.	171, Coleherne Court, S.W.15.
6213	Oct. 1911	*¶ DAVIES, ALBERT GEORGE	City Surveyor's Office, Town Hall Manchester.
8014	Oct. 1919	* DAVIES, ARTHUR	327, Euston Road, N.W.
5143	Oct. 1907	*¶ DAVIES, EDWARD OWEN	"Dudbrook," Romford Road, For Gate, E. (Essex).
5144	Oct. 1907	*¶ DAVIES, FREDERICK WILLIAM ..	High Street, Thornbury, Gloucestersh
5592	Oct. 1912	* DAVIES, HARRY TUDOR	Shire Hall, Hereford.
5170	Oct. 1920	*¶ DAVIES, JOHN LEWIS	Brondeg, Merthyr-mawr Road, Bri end, Glam.
5594	Oct. 1912	*¶ DAVIES, JOHN LLEWELLYN	Town Planning Dept., Council Office Barry, Glam.
5171	Oct. 1920	*¶ DAVIES, JOHN RICHARD	Avondale, Tewkesbury, Glos.
4157	Oct. 1903	*¶ DAVIES, LEONARD OWEN	11, Freeland Road, Ealing, W. (Middlesex).
8459	Oct. 1921	* DAVIES, PERCIVAL LEOPOLD LAWRENCE	62, Church Road, Barnes, S.W. (Surrey).
5595	Oct. 1912	* DAVIES, PHILIP ISAAC	The Croft, Victoria, Mon.
5172	Oct. 1920	*¶ DAVIES, SIDNEY	1, Soham Villas, Amblecote, Stor bridge, Worcestershire.
8016	Oct. 1919	* DAVIES, THOMAS WALTER	90, North Side, Wandsworth Co mon. S.W.18.
5145	Oct. 1907	*¶ DAVIES, WILLIAM GWYNNE BATCHELOR	Room 127, Lincoln's Inn, 174, Corp tion Street, Birmingham.
8460	Oct. 1921	*¶ DAVIS, ALBERT JOHN	17, Northolme Road, Highbury Pa N.5.
5430	Oct. 1908	* DAVIS, ARTHUR JAMES	The Cottage, Croft Lane, Letchwor Hertfordshire.
7595	Oct. 1915	*¶ DAVIS, FRANCIS ROBERT EDWARD	7, Glyn Mansions, Kensington, W.
8909	Jan. 1922	DAVIS, R. W. J.	13, John Street, Adelphi, W.C.2.
7810	Nov. 1918	* DAVIS, THOMAS HENRY CLIFFORD	Glyndwr, Cornwall Road, Sutto Surrey.
5910	Oct. 1910	*¶ DAVIS, WILLIAM ARTHUR	
7126	Oct. 1913	*¶ DAVIS, WILLIAM WINWOOD ..	97, Rodenhurst Road, Clapham, S.W.
5911	Oct. 1910	* DAVISON, LOUIS JAMES	c/o Messrs. Ellis and Palmer, Ea Grinstead, Sussex.

p. o.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7	Oct. 1912	*DAVISON, PERCY	Estate Office, Wenvoe, nr. Cardiff.
7	Oct. 1901	*DAVY, CLIFTON ROBERT	The Outer Temple, Strand, W.C.
8	Oct. 1912	*DAW, EDMUND NORMAN	14, Roseberg Gardens, Crouch End, N. (Middlesex).
1	Oct. 1921	*DAWES, ARTHUR HENRY	Addiefield, Western Road, Tring.
9	Oct. 1902	*DAWKINS, ALBERT JAMES	43, Howard's Lane, Putney, S.W.5.
4	Oct. 1911	*DAWSON, ERIC JAMES	P.W.D., Salisbury, Rhodesia.
3	Oct. 1920	*DAWSON, JOSEPH ARTHUR	7, Park Road South, Birkenhead.
2	Oct. 1921	*DAWTON, HAROLD PULLEN	9, Oakley Road, Caversham, Reading.
8	Oct. 1913	*DAY, CYRIL WALTER	Victoria Buildings, Alfreton, Derby- shire.
4	Oct. 1920	*DAY, JOHN HANKS	18, Middle Row, High Street, Maid- stone.
9	Oct. 1907	*DAY, JOSEPH REYNOLDS	Thorpe Coombe, Forest Road, Waltham- stow, E. (Essex).
7	Oct. 1919	*DAY, STANLEY ERNEST	9, Cambridge Road, Lee, S.E.12.
9	Oct. 1913	*DAY, STANLEY LEWIS	Shandon, Furze Hill, Boreham Wood, Herts.
3	Nov. 1916	*DEACON, EDWIN THOMAS	c/o C. F. Taylor, Horley, Surrey.
8	Oct. 1910	*DEAKIN, FRANCIS HENRY	243, Hagley Road, Edgbaston, Bir- mingham.
5	Oct. 1920	*DEAN, NOEL	Glen Cottage, Church Avenue, Clent, nr. Stourbridge.
0	Oct. 1912	*DEAN, SAM	Council Offices, Hipperholme, Halifax.
3	Oct. 1921	*DEDICAT, JOSEPH LEONARD	31, Moor Lane, Great Crosby, Liver- pool.
4	Oct. 1921	*DENTON, ARTHUR SMITH	Raisen Hall, Wadsley Bridge, nr. Sheffield.
5	Oct. 1921	*DENTON, HERBERT	Branksome, S. Hiendley, Barnsley, Yorks.
2	Oct. 1912	*DEWHIRST, CHARLES LESLIE	46, Park Road, Chelmsford.
3	Oct. 1912	*DEWHURST, THOMAS HERBERT	23, Symonds Road, Preston, Lancs.
4	Oct. 1909	*DICKIE, ALBERT GEORGE	30, Tooting Bec Gardens, Streatham, S.W.
1	Oct. 1913	*DICKIN, EDWARD LINDUP	58A, Pall Mall, S.W.1.
4	Oct. 1899	*DICKINSON, JAMES MURGATROYD	14, Church Road, Ashford, Kent.
4	Oct. 1912	*DICKINSON, WILLIAM GREEN- HALGH	St. Werburgh Chambers, Chester.
2	Oct. 1913	*DICKSON, DUNCAN PETER	The Brambles, Orche Hill Avenue, Gerrard's Cross, Bucks.
6	Oct. 1921	*DICKSON, JOHN ANDREWS	Mount Royal, Banbridge, Co. Down, Ireland.
5	Oct. 1904	*DIXON, FRANCIS EVELYN	Homeleigh, River Avenue, Palmer's Green, N.13 (Middlesex).
4	Nov. 1916	*DOBSON, WILLIAM	47, Raeberry Street, Glasgow.

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7133	Oct. 1913	*¶DOCHERTY, JOHN, JUN.	Inland Revenue Office, Adelaide Street, Swansea.
8176	Oct. 1920	*¶DOCKRILL, ARTHUR DAVID	Broadlands, Newport, Isle of Wight.
6219	Oct. 1911	*DOCKSEY, SYDNEY BATEMAN	175, Highgate, Heaton, Bradford Yorks.
7135	Oct. 1913	*DODDS, PERCY	19, Harcourt Street, Heworth, Yorks.
5915	Oct. 1910	*DODGSHON, EDMUND CHARLES	99, St. James's Road, Wandsworth Common, S.W.
7136	Oct. 1913	*¶DONALDSON, JAMES	50, Station Road, Hayes, Middlesex.
8467	Oct. 1921	*¶DONE, JOHN PAUL CUSSONS	c/o Messrs. Done, Hunter & Co. Cricklewood, N.W.2. (Middlesex).
5656	Oct. 1909	*¶DONGER, WILLIAM JAMES	Westgate Chambers, Winchester.
7811	Nov. 1918	*DONN, ALBERT	60, Teignmouth Road, N.W.2.
3221	Oct. 1897	*DOUGLAS, BERNARD MOXON	Fairway, Crofton Cliffs, Lee-on-Solent Hants.
8177	Oct. 1920	*¶DOVE, JAMES FAITH	20, Burlington Place, Eastbourne.
7140	Oct. 1913	*DOW, JOHN ARMOUR	Estate Office, Elvedon, Suffolk.
6221	Oct. 1911	*DOW, WALTER JAMES	"Marazion," Eastwick, Great Boarham, Surrey.
8178	Oct. 1920	*¶DOWNER, GEORGE COLLINS	6, Cobden Crescent, Oxford.
8468	Oct. 1921	*¶DOWSE, ARCHIBALD THOMAS	14, Swanmore Road, Bishops Cleeve, ham, Hants.
6606	Oct. 1912	*¶DOYLE, GRAHAM	Imperial War Graves Commission, St. Omer, France.
7812	Nov. 1918	*DRAPER, FREDERICK CHARLES	22, Greenfield Road, Old Town, Eastbourne.
5658	Oct. 1909	*DREW, JOHN DENYS	24, East Southernhay, Exeter.
7141	Oct. 1913	*§DREW, SYDNEY VERNON	43, Fontarabia Road, Clapham Junction, S.W.11.
6607	Oct. 1912	*DREWRY, GEORGE HAYWARD	Hargate Hall, Millers Dale, Buxton, Derbyshire.
6222	Oct. 1911	*DRING, CECIL	21, Tynemouth Road, S. Tottenham, N.15 (Middlesex).
7721	Oct. 1917	*¶DRIVER, ELLIS SAMUEL	Estate Office, L.S.W.Rly., Waterloo Station, S.E.1.
3320	Oct. 1901	*¶DRIVER, JOHN ROBERT FARRANT	5, Acacia Road, Leamington Spa.
8018	Oct. 1919	*¶DRURY, WILLIAM ALEXANDER	66, West Street, Harrow, Middlesex.
4941	Oct. 1906	*DUCK, GEORGE FRANCIS	Estate Office, Station Approach, Chesham, rard's Cross, Bucks.
6609	Oct. 1912	*DUCKWORTH, WILLIAM HENRY, A.M.I.C.E.	Surveyor's Dept., Council Office, Watford, Herts.
8469	Oct. 1921	*¶DUFF, ROBERT DUNCAN	3, Broadgates Road, Wandsworth Common, S.W.18.

P.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
0	Oct. 1921	*¶ DUGUID, JOHN MILLOY ..	31, Elm Street, Logie, Dundee.
8	Oct. 1908	*¶ DUKE, HENRY EDWARD	"Maen," Dorchester.
0	Oct. 1914	*¶ DUKE-WILLIAMS, RONALD, CAPT.	Dalmahoy Estate Office, Kirknewton, Midlothian.
1	Oct. 1912	* DUNBAVAND, EUSTACE	Hutton Avenue, West Hartlepool, Durham.
42	Oct. 1913	* DUNCAN, HARRY	7, Gladstone Place, Stirling, N.B.
71	Oct. 1921	* DUNCH, CHARLES ROBINSON	Manor Lodge, Totteridge, N.20 (Herts).
42	Oct. 1906	* DUNLOP, CHARLES JOHN, M.R.I.A.I.	18, Ely Place, Dublin.
13	Nov. 1918	* DUNN, JOHN WILLIAM	27, Overdale Gardens, Langside, Glasgow.
68	Oct. 1905	* DUNN, WILLIAM, JUN.	Hinton Farm, Twyford, Berks.
19	Oct. 1919	*¶ DUNNAGE, GERALD ECKETT ..	50, The Manor House, Marylebone Road, N.W.
72	Oct. 1921	*¶ DUNS, ROBERT HARBOTTLE ..	70, Lovaine Place, Newcastle-on-Tyne.
20	Oct. 1919	*¶ DUNSTER, HENRY FRANK	11, Brigham Road, Reading.
24	Feb. 1900	*¶ DUNT, JOHN HARLOW	Trelawne, Arragon Gardens, Streatham, S.W.
61	Oct. 1907	* DURANT, FREDERICK HENRY ..	"Maisonette," Martello Road, Walton-on-Naze, Essex.
99	Oct. 1908	* DURDEN, STANLEY JOHN	202, Melfort Road, Thornton Heath, Surrey.
23	Oct. 1911	* DUTCH, ROBERT VICTOR	48, Teignmouth Road, Cricklewood, N.W. (Middlesex).
40	Oct. 1908	*¶ § DUTTON, JOSEPH	20, Blenheim Gardens, Wallington, Surrey.
12	Oct. 1912	* § DYER, FRANK	35, Dudley Road, Whalley Range, Manchester.
61	Oct. 1909	* DYER, FREDERICK	Davyhall Chambers, Davygate, York.
24	Oct. 1911	* EADE, CHRISTOPHER AYLMER ..	Branson House, Darlington.
13	Oct. 1912	*¶ EAGLES, WILLIAM ANDREW ..	Hayden House, Avenue Road, Hunstanton, Norfolk.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
1078	Oct. 1893	*¶§EASTON, WALTER JOHN	82, Twyford Avenue, Acton Hill, (Middlesex).
1822	Oct. 1901	*EASTWOOD, CHARLES WILLIAM..	57, Parkgate Road, Chester.
6014	Oct. 1912	*EATON, GEORGE MORLEY	The Summit, Burton Road, Derby..
6152	Oct. 1907	*EATON, ROWLAND WYNNE.. ..	Central Buildings, North John Street, Liverpool.
6110	Feb. 1911	*¶ECCLESHALL, GEORGE BENNETT	34, Bradford Terrace, Worsley Road, Farnworth, Lancashire.
5919	Oct. 1910	*¶§EDEN, FREDERICK STEWART ..	5, Hampton Road, Chorlton-cum- Hardy, Manchester.
3823	Oct. 1901	*EDGINGTON, WALTER, B.A. (Oxon.)	Whitehouses, Retford, Notts.
7143	Oct. 1913	*EDGSON, WALTER STANLEY	27, Maddox Street, W.I.
8179	Oct. 1920	*EDWARDS, DAVID EDWARD	9, Talbot Road, Wrexham.
7144	Oct. 1913	*EDWARDS, EUSTACE HERBERT ..	4, Crow Tree Lane, Daisy Hill, Bradford, Yorks.
7814	Nov. 1918	*¶EDWARDS, GEORGE FRANK	Small Holdings and Land Settlement Dept., Shirehall, Gloucester.
6226	Oct. 1911	*¶EDWARDS, LANCELOT REGINALD	Glen Lyn, King Henry's Road, Lewes.
6227	Oct. 1911	*EDWARDS, ROBERT, CAPT.	Beech Hill Park, Waltham Abbey, Essex.
8473	Oct. 1921	*¶EDWARDS, SIDNEY JAMES	c/o Messrs. Booty & Co., Winchester House, Singapore.
4410	Oct. 1904	*¶EDWARDS, SPENCER	160, Richmond Road, Cardiff.
5921	Oct. 1910	*EDWARDS, THOMAS HENRY	248, London Road, West Croydon, Surrey.
8474	Oct. 1921	*¶EELES, HENRY SWANSTON	Greencroft Park, Lanchester, Co. Durham.
8475	Oct. 1921	*¶EGGAR, JOHN GRAHAM	Cedar Cottage, Bentley, Hants.
4160	Oct. 1903	*EGREMONT, JOHN	Kingston House, Northlands Road, Southampton.
2580	Oct. 1893	*ELGAR, WALTER ROBINSON	Hillside, Sittingbourne, Kent.
6959	Feb. 1913	*¶ELKINGTON, CHRISTOPHER GARRETT	Barnt Green, near Birmingham.
7145	Oct. 1913	*ELKINS, CHARLES HENRY	13, The Parade, Leamington Spa.
6228	Oct. 1911	*¶ELLAM, GEOFFREY WALTER ..	5, Cavendish Road, Chorlton-cum- Hardy, Lancs.
6615	Oct. 1912	*ELLIOTT, AUSTIN HOOTON, A.M.I.C.E.	Surveyor to the Urban District Council, Carlton, Nottinghamshire.
8180	Oct. 1920	*¶ELLIOTT, CHARLES PYNSENT ..	Sparken House, Worksop, Notts.
8476	Oct. 1921	*¶ELLIOTT, REGINALD	55, Ritherdon Road, Balham, S.W.
3825	Oct. 1901	*ELLIS, ARTHUR ORANGE	
7146	Oct. 1913	*ELLIS, CLIFFORD BARTLETT ..	28, Chertsey Street, Guildford, Surrey.
8181	Oct. 1920	*ELLIS, KENNETH MALCOLM	The Estate Office, Worsley, Manchester.
6617	Oct. 1912	*¶ELLIS, THOMAS GWYNNE	35, Wingfield Road, Trowbridge.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1911	* ELLIS, WILFRID SPENCER	c/o Messrs. Rumball & Edwards, St. Albans, Herts.
Oct. 1904	* ELLYATT, GEORGE FREDERICK ..	White Croft, East Dulwich Grove, S.E.
Oct. 1906	* ELMES, FREDERICK LANSELL ..	Southolm, Knighton Road, Leicester.
Oct. 1912	* ELPHICK, RICHARD	4, Palace Mansions, Muswell Hill, N. (Middlesex).
Oct. 1919	* ELSE, CHARLES GLOSSOP ..	Park Lodge, Fritchley, near Derby.
Nov. 1918	* ELWELL, ERIC REGINALD ..	Redlands, Bushwood, Leytonstone, E.11 (Essex).
Feb. 1912	* EMERY, GEORGE MONTAGU ..	49, Elmwood Road, Herne Hill, S.E.24.
Oct. 1910	* ENGLISH, HARRY EDWIN ..	74 and 75, Cheapside, E.C.2.
Oct. 1905	* ENGLISH, HENRY CECIL ..	Oaklands, Grove Hill, Woodford, Essex.
Oct. 1913	* ENTWISTLE, THOMAS ..	Hazelwood, Temple Drive, Swinton, Manchester.
Feb. 1905	* ERMICH, HENRY	43, Beatrice Avenue, Norbury, S.W. (Surrey).
Oct. 1919	* ESBESTER, ERNEST HENRY ..	City Valuer's Office, The Exchange, Bristol.
Feb. 1910	* ESCOLME, JOHN	56, Hamilton Square, Birkenhead.
Oct. 1903	* EVANS, CHARLES STOKES EATON	Petwood Estate Office, Woodhall Spa, Lincolnshire.
Oct. 1912	* EVANS, DAVID	Agricultural Office, College Street, Lampeter, Cardiganshire.
Oct. 1912	* EVANS, ERNEST	32, Central Drive, Blackpool.
Oct. 1921	* EVANS, HENRY LODOWICK VINCENT	26, Canynge Square, Clifton, Bristol.
Oct. 1907	* EVANS, HENRY MONTAGUE ..	City Engineer's Department, City Hall, Cardiff.
Nov. 1918	* EVANS, JOHN EDGAR VAUGHAN	3, Burwood Place, Hyde Park, W.2.
Oct. 1912	* EVANS, JOHN WILLIAMS PERCIVAL	Valuation Office, I.R., 7, King Street, Carmarthen.
Oct. 1911	* EVANS, PHILIP	Lynnside, Tirllemont Road, S. Croydon.
Oct. 1900	* EVANS, RUPERT MAURICE ..	Bank House, Stafford.
Oct. 1912	* EVANS, SAMUEL BOWLIE ..	109, St. Helen's Avenue, Swansea.
Oct. 1920	* EVANS, SIMON	Trevigin, St. Dogmells, Pembroke-shire, and Auction and Estate Offices, High Street, Cardigan.
Oct. 1921	* EVANS, THOMAS HUGH ..	Woodfield, Shrewsbury.
Oct. 1920	* EVANS, THOMAS JOHN ..	Tymaen, Porthcawl, Glam.
Oct. 1920	* EVANS, WILLIAM KENNETH ..	Rohilla Cottage, Brewery Road, Horsell, Woking, Surrey.
Oct. 1920	* EVANS, WILLIAM MAURICE ..	"Parkdale," Berriew Road, Welsh-pool.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
4413	Oct. 1904	*EVERARD, BERNARD	6, Millstone Lane, Leicester.
2516	Nov. 1892	*EVERETT, ARTHUR SHERMAN ..	14, Victoria Street, S.W.
3023	Oct. 1919	*E [¶] EVERSHED, ARTHUR EDWARD ..	The Crest, Aldershot Road, Guildford.
8024	Oct. 1919	*E [¶] S [¶] EVERSHED, WILFRID LEONARD ARMITAGE	The Crest, Aldershot Road, Guildford.
7817	Nov. 1918	*EXLEY-FISHER, THOMAS	Glenroyd, Dymond Road, Heckmondwike, Yorkshire.
8479	Oct. 1921	*FACER, H [¶] ALDANE THOMAS ..	Crescent House, Ashwell Street, Leighton Buzzard, Beds.
6625	Oct. 1912	*FAIRCLOUGH, VINCENT	The Gables, Leigh, Lancs.
4679	Oct. 1905	*FAIRWEATHER, NORMAN BLUMER	40, Christchurch Road, Streatham Hill, S.W.
5446	Oct. 1908	FALKNER, FRANK NINUS	7, Hill's Place, Oxford Circus, W.1.
6626	Oct. 1912	*FALKNER, JOHN WILLIAM	c/o 11, Elmwood Road, Croydon, Surrey.
8025	Oct. 1919	*F [¶] ARNSWORTH, WILLIAM CHARLES	c/o Messrs. Berry Brothers & Bagshaw, Kettering.
4415	Oct. 1904	*FARTHING, CHARLES HAROLD ..	6, Station Yard, Twickenham, Middlesex.
4416	Oct. 1904	*FARWELL, EVELYN WOOD	Lord Hylton's Estate, Kilmerley, near Bath, Somersetshire.
7818	Nov. 1918	*F [¶] AULKNER, JOHN BRAFIELD ..	28, Springwell Avenue, Harlesden, Middlesex.
6234	Oct. 1911	*FAULKNER, JOHN DENNIS	24, High Street, Baldock.
8487	Oct. 1921	*FAWCETT, GERALD SIDNEY	80, Woodland Rise, Muswell Hill, N.10 (Middlesex.)
6235	Oct. 1911	*F [¶] AWCETT, KENNETH MORTIMER	26, Albion Street, Leeds.
8027	Oct. 1919	*F [¶] AYERS, HARRY	26, Cassio Road, Watford, Hertfordshire.
8481	Oct. 1921	*F [¶] EATHERSTONE, FRANK MARSHALL	218, Lewisham High Road, Bromley, S.E.4.
4164	Oct. 1903	*FENNING, JOHN HENRY	8, St. Paul's Square, Bedford.
6628	Oct. 1912	*FENTON, FRANK	21, North Street, Addingham, Yorkshire.
6630	Oct. 1912	*FERGUSON, WILLIAM HARVEY ..	36, Arthur Street, Belfast.
5080	Feb. 1907	*FERREY, GERALD COLSTON	34A, Coney Street, York.
3827	Oct. 1901	*FIELD, LEONARD MARTIN	40, High Street, Gosport, Hants.
5925	Oct. 1910	*FIELD, VICTOR	4, College Road, Little Thurston, Grays, Essex.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1908	*FIELDING, ARTHUR EDWARD BRUCE	Littlethorpe Manor, Ripon, Yorkshire.
Oct. 1908	*FIELDING, KENNETH HUBERT ..	51, London Street, Norwich.
Oct. 1905	*FIFE, JAMES DONALD	3, Ailsa Road, Westcliff-on-Sea, Essex.
Oct. 1920	*FIFIELD, CECIL STANLEY WILLIAM	Elmhurst, Forest View, Chingford, Essex.
Oct. 1920	*FIFIELD, HAFFORD EDWIN ..	192, Trinity Road, Birchfields, Bir- mingham.
Oct. 1904	*FINCH, GEORGE FREDERICK ..	7, Crouch Hall Road, Crouch End, N. (Middlesex), and 9, Stone Buildings, W.C.2.
Oct. 1913	*FINCHAM, EDWARD, CAPT., M.C., A.R.I.B.A.	Mark's Tey, Colchester.
Oct. 1912	*FINISTER, HARRY	Public Offices, Huyton, near Liver- pool.
Oct. 1921	*FINN, GEOFFREY GOSTWYCKE	Watling Street, Canterbury.
Oct. 1912	*FIRTH, WILLIAM JAMES, A.M.I.C.E.	Hazellholme, Buxton Road, Stockport.
Oct. 1909	*FISHER, EDWIN GRAINGER ..	60, St. Barnabas Road, Cambridge.
Oct. 1912	*FISHER, JAMES THOMAS	8, Stafford Street, Derby.
Oct. 1896	*FISHER, ROBERT	10, Fairlight Avenue, Harlesden, N.W. (Middlesex).
Oct. 1905	*FISHER, THOMAS ROTELY ..	197, Old Christchurch Road, Bourne- mouth.
Oct. 1913	*FISHWICK, VICTOR CHARLES ..	98, Oxford Gardens, N. Kensington, W.
Oct. 1912	*FITCH, JOHN THOMAS	45, Small Brook Street, Birmingham.
Oct. 1905	*FITCH, PHILIP	Engineer's Department, 299, Bart Mitre, Buenos Aires, South America.
Mar. 1884	FITNESS, JOHN FRANCIS	80, Cheapside, E.C.
Nov. 1918	*FITSIMMONS, ARTHUR	28, Garthorne Road, Honor Oak Park, S.E.23.
Oct. 1910	*FLEMING, HERBERT SIDNEY ..	83, Pall Mall, S.W.1.
Oct. 1921	*FLEURY, FRANCIS GEORGE ..	6, Dartmouth Park Road, N.W.5.
Oct. 1913	*FLINT, ARTHUR	Rushmore, Hazlemere, High Wy- combe, Bucks.
Oct. 1913	*FLITCROFT, PERCY	Kilmorey, The Green, Worsley, near Manchester, Lancashire.
Oct. 1911	*FLOOD, ALFRED WILLIAM ..	89, Westminster Bridge Road, S.E.1.
Oct. 1919	*FLOWER, HENRY GEORGE STANLEY	11, Paul Street, Shepton Mallet, Somerset.
Oct. 1913	*FLOWER, JOHN JAMES, B.A.I. ..	Seale-Hayne Agricultural College, Newton Abbot, Devon.
Oct. 1921	*FOAT, HARRY ALEX	5, Great College Street, S.W.1.
Oct. 1906	*FOLL, WALLACE ARTHUR	Woburn Sands, Beds., and Bletchley, Bucks.
Oct. 1921	*FOOT, WILLIAM GEORGE	41, High Street, Totnes, S. Devon.
Oct. 1911	*FORBES, ALEXANDER	St. Sidwell's, Tuffley Avenue, Glou- cester.

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3989	Oct. 1902	*FORD, C. GRAHAM	Engineer's Dept., Metropolitan Asylums Board, Sheffield Street, W.
7156	Oct. 1913	*FORD, CHARLES WILLIAM ERNEST	"Whitehall," Savings Bank Co. High Street, Ashford.
6239	Oct. 1911	*FORD, FRANCIS CURTIS	9, Old Jewry Chambers, E.C.2.
7821	Nov. 1918	*FORDER, WILLIAM HENRY ..	Ernina, Gwernymynydd, Mold, Flintshire.
5828	Feb. 1910	*FORGE, RAYMOND JAMES ..	c/o Holland & Co., Argyle Corner, W. Ealing Station, W. (Middlesex).
8029	Oct. 1919	*FORRESTER, HAROLD	16, Addiscombe Road, East Croydon.
7822	Nov. 1918	*FORRESTER, WILLIAM	Red Lea, Roman Road, Linthorpe, Middlesbrough.
8486	Oct. 1921	*FORSATH, FREDERICK LESLIE	43, Elmwood Road, W. Croydon.
8487	Oct. 1921	*FORSTER, EDMUND TAYLOR ..	44, Devonshire Road, Liverpool.
3687	Oct. 1905	*FOSTER, GAIUS	Architect's Department, London County Council, New County Hall, S.E.1.
5929	Oct. 1910	*FOSTER, NORMAN BEAUMONT ..	Amptill, Beds.
8030	Oct. 1919	*FOSTER, RICHARD FRANCIS ..	Northcliffe, Hakin, Milford Haven, S. Wales.
3678	Oct. 1900	*FOSTER, WALTER	54, Pall Mall, S.W.
8488	Oct. 1921	*FOSTER, WALTER LAURENCE	Central House, Blachkeath, S.E.
6639	Oct. 1912	*FOULDS, JOSEPH	Valuation Department, 3, Offa Street, Hereford.
4421	Oct. 1904	*FOULIS, ARCHIBALD KEITH ..	Hamilton Estates Office, The Palace, Hamilton, N.B.
7158	Oct. 1913	*FOURACRE, FREDERICK WALTER	28, Mountfield Road, Church End, Finchley, N.3. (Middlesex).
4688	Oct. 1905	*FOWLER, CHARLES K.	Rosslare, Co. Sligo.
6240	Oct. 1911	*FOWLER, ERNEST ELIAS	4, Aden Grove, N.6.
8188	Oct. 1920	*FOX, HAROLD LANE	26, East Park Road, Harrogate.
6930	Oct. 1910	*FOX, JOHN HARPER GRAHAM ..	Wyndale, Belgrave Parade, Newcastle-on-Tyne.
8489	Oct. 1921	*FOX, WALTER EDWARD	46, Streatham Place, S.W.2.
4961	Oct. 1906	*FRANCIS, BERNARD	National House, Newgate Street, E.
7824	Nov. 1918	*FRANCIS, EDWARD THORPE ..	Halliwell, Eastbourne Road, St Austell, Cornwall.
5669	Oct. 1909	*FRANCIS, THOMAS JOHN PHILIP ..	Inland Revenue, 57, Colmore Row, Birmingham.
8031	Oct. 1919	*FRANCIS, THOMAS PHILLIP ..	Town Hall, Pontypool, Mon.
4953	Oct. 1906	*FRANKLIN, HERBERT JOHN ..	Architect's Dept., L.C.C., New County Hall, S.E.1.
6243	Oct. 1911	*FRASER, ALEXANDER ARTHUR, THE HON. MASTER OF SALTOUN	Philorth, Fraserburgh, Scotland.
8910	Jan. 1922	*FRAZIER, G. STUART	19, Prospect Road, Moseley, Birmingham.
7159	Oct. 1913	*FREARSON, THOMAS BINGLEY ..	3A, St. Stephen's Crescent, W.2.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1911	*FREEMAN, FRANK CONDY ..	4, Bennet Street, St. James Street, S.W.1.
Oct. 1899	*§FREEMAN, GEORGE	Kenmure, Spencer Hill, Wimbledon, S.W. (Surrey).
Oct. 1921	*¶FREEMAN, LEONARD GEORGE..	31A, Lichfield Grove, Church End, Finchley, N.3. (Middlesex.)
Oct. 1903	*FRENCH, A. MARTIN	Bond Street House, 14, Clifford Street, W.1.
Oct. 1900	*FREUER, WILLIAM SAMUEL ..	19, St. Faith's Road, Dulwich, S.E.
Oct. 1913	*FREY, HENRY	68, Aldbourne Road, Shepherd's Bush, W.
Feb. 1902	*FROST, ALFRED CARDAIN ..	Station Gates, Beaconsfield, Bucks.
Oct. 1913	*¶FROST, ERNEST DAVENALL ..	Oak Tree Cottage, Banstead, Surrey.
Oct. 1912	*FULCHER, CHRISTOPHER TURTILL	Deputy Surveyor, Shoreditch Town Hall, Old Street, E.C.
Oct. 1912	*FULFORD, FREDERICK JOHN ..	134, Queen's Walk, Nottingham.
Oct. 1912	*¶FULLFORD, CHARLES GEORGE, M.S.A... .. .	5, Millbrook, Salisbury.
Oct. 1912	*FULTON-SMITH, GRAEME GART- SHORE	Queen's Chambers, 26A, Sankey Street, Warrington, Lancs.
Feb. 1882	FURBER, HENRY AUBREY.. ..	3, Warwick Court, Gray's Inn, W.C.
Oct. 1911	*¶FURNISS, GEORGE	"The Briars," Downs Road, Coulsdon, Surrey.
Oct. 1912	*¶FYSH, PERCY WILLIAM	4, Melbourne Road, Leicester.
Oct. 1920	*¶GADD, ARTHUR	4A, Fairfield West, Kingston-on-Thames, Surrey.
Oct. 1921	*GADD, JOHN EDWARD	7, Cromwell Road, Tunbridge Wells.
Oct. 1902	*¶GAHAN, ROBERT BERESFORD, CAPT.	Donaguile House, Castlecomer, Co. Kilkenny.
Nov. 1918	*¶GALE, HENRY NEWLYN	Estate Office, Nuneham, near Oxford.
Oct. 1921	*¶GALE-HASLEHAM, DUDLEY AL- FRED	69, Grove Street, Wantage, Berks.
Jan. 1890	*GALSWORTHY, VINCENT SOMERS	29, Fleet Street, E.C.
Oct. 1909	*GAMBELL, PHILIP CLAYTON ..	83, High Street, Newport Pagnell, Bucks.
Oct. 1913	*¶GAMMON, FRANK LEONARD ..	188, High Street, Guildford, Surrey.
Oct. 1912	*¶GANDY, HAROLD	Bailey Croft House, Wirksworth, Derby.
Oct. 1910	*GANDY, ROBERT NEWTON.. ..	Northwich, Cheshire.
Nov. 1918	*GAR BUTT, HARRY CHARLES, M.C.	Walworth, Westwood Avenue, Middlesbrough, Yorkshire.
Oct. 1921	*¶GARDNER, CECIL ARTHUR ..	15, Alexandra Villas, Finsbury Park, N.4.

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7166	Oct. 1913	*GARDNER, HENRY, JUN. . . .	Mill Hey, Poulton-le-Fylde, Lancs.
8911	Jan. 1922	GARDNER, H. F. . . .	"Dalkeith," Duke's Avenue, Malden, Surrey.
4690	Oct. 1905	*GARDNER, JAMES	19, Grosvenor Road, Richmond, Surrey.
7635	Nov. 1916	*GARDNER, OSMOND	c/o Assam Co., Nazira P.O., Upper Assam.
6247	Oct. 1911	*GARNETT, WILFRED EWART . .	35, Holyoake Walk, Ealing, W. (Middlesex).
2670	Oct. 1894	*GARRETT, ARTHUR BERRY . .	42, Poultry, E.C.
6647	Oct. 1912	*GASK, JOHN HAROLD, A.R.I.B.A.	Boro' Engineer's Dept., Municipal Buildings, Bournemouth.
6248	Oct. 1911	*GASSON, BERNARD	28, Temple Gardens, Golder's Green, N.W.4 (Middlesex).
7168	Oct. 1913	*GASSON, NORMAN	27, Therapia Road, Honor Oak, S.
6648	Oct. 1912	*GASSON, STANLEY	Silchar House, Fife Road, Kingston-Thames, Surrey.
5451	Oct. 1908	*GATES, ERNEST HARRY . . .	49, Leander Road, London Road, Tottenham Heath, Surrey.
6649	Oct. 1912	*GAWTHORP, HAROLD ARTHUR .	24, Merivale Road, Wolverhampton.
5161	Oct. 1907	*GAY, FRANK	c/o Messrs. Kemsleys, Broad Street House, New Broad Street, E.C.
3327	A. Oct. 1897	*GAYER, ALFRED EDWARD, MAJOR, M.C.	c/o Mrs. Dunton, 44, Stockwell Park Road, S.W.9.
6961	Feb. 1913	*GEAKE, HERBERT	116, Raleigh Street, Nottingham.
7722	Oct. 1917	*GEDDES, JOSEPH WILLIAM . .	Cedarhurst Avenue, Cedarhurst, L.I. Island, New York, U.S.A.
4425	Oct. 1904	*GEE, FREDERIC GEORGE . . .	16, Ordnance Terrace, Chatham.
4169	Oct. 1903	*GENDERS, PERCY ROBERT . . .	c/o Chief Surveyor, L.T.O., Regina, Saskatchewan, Canada.
5162	Oct. 1907	*GEORGE, FREDERICK ALBERT . .	City Surveyor's Office, Guildhall, London.
5933	Oct. 1910	*GERRARD, GEORGE	34, Bettridge Road, Fulham, S.W.
8190	Oct. 1920	*GIBAUD, FREDERICK CHARLES	7, Redland Park, Redland, Bristol.
6651	Oct. 1912	*GIBBINGS, OLIVER DURANT . .	30, Lowther Street, Carlisle.
5163	Oct. 1907	*GIBBINGS, THOMAS STANLEY . .	Trinity Lodge, Fareham, Hants.
7827	Nov. 1918	*GIBBS, HERBERT NORMAN . . .	7, Mountfield Road, Finchley, N. (Middlesex).
4692	Oct. 1905	*GIBSON, ALAN KEITH	c/o British East Africa Corporation Ltd., Box 12, Mombasa, B.E.A.
8191	Oct. 1920	*GIBSON, EDWIN SALTER . . .	97, Coleraine Road, Blackheath, S.E.3.
8494	Oct. 1921	*GIBSON, REGINALD JOHN CAMPBELL	The Bays, Fryerning, Ingatest, Essex.
7169	Oct. 1913	*GIBSON, WILLIAM	26, Rosemont Road, Acton, W. (Middlesex).
7828	Nov. 1918	*GIBSON, WILLIAM GARNETT . .	The Bungalow, Windermere.
4957	Oct. 1906	*GIFFIN, CHARLES WILLIAMS . .	South View, Letchworth, Hertfords.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1919	*GIFFORD, MAURICE CLAUDE MELVILLE	26, North Audley Street, Mayfair, W.
Oct. 1921	*GILBERT, ARTHUR	Brooklyn, Enfield Wash, N. (Middlesex).
Oct. 1913	*GILBERT, ERNEST MARK	Oldfield, Ditchling, Sussex.
Oct. 1894	*GILBERT, JOHN SAINSBURY	70, Queen Street, Cheapside, E.C.
Feb. 1904	*GILBERT, SAMUEL HOWELL	Station Approach, Pinner, Middlesex.
Oct. 1907	*GILBERT-LODGE, LEICESTER JAMES GARFIELD	30, Matheson Road, West Kensington, W.
Oct. 1911	*GILES, CHARLES MALCOLM	Post Office, Nairobi, British East Africa.
Nov. 1918	*GILL, FRANCIS ANDREW	Glenfin Cottage, White Rose Lane, Woking.
Nov. 1918	*GILL, ROBERT	Town Hall, Towcester, Northants.
Oct. 1921	*GILL, WILLIAM ERNEST	2, Solness Street, Bury, Lancs.
Oct. 1906	*GILL, WILLIAM PHILIP	15, St. James Road, Tunbridge Wells.
Nov. 1918	*GILLETT, HERBERT EDWARD	Holmwood, Bishopwood Road, Highgate, N.6.
Oct. 1911	*GILLETT, SIDNEY ERIC	28, Holland Park Avenue, W.11.
Oct. 1912	*GILLITT, JOHN	2, Castle Street, Wellingborough, Northants.
Oct. 1908	*GIMSON, MARTIN	Public Works Department, Nicosia, Cyprus.
Oct. 1920	*GINGELL, ERNEST EDWARD	Crockford Bridge Farm, Addlestone, Surrey.
Oct. 1909	*GINGELL, JOHN TAYLOR	Warish Hall, Takeley, Essex.
Oct. 1921	*GIRLING, FRANCIS VICTOR	Woodcroft, Bath Road, Felixstowe, Suffolk.
Oct. 1921	*GIRLING, JOHN ROBERT	Woodcroft, Bath Road, Felixstowe, Suffolk.
Oct. 1908	*GIRVEN, FREDERICK WILLIAM	Surveyor's Dept., R.D.C. Offices, Easington, Co. Durham.
Oct. 1919	*GLASSE, ALFRED	"Westcot," Ollards Grove, Loughton, Essex.
Oct. 1911	*GLEDHILL, JAMES HERBERT	120, Old Kent Road, S.E.1.
Oct. 1901	*GLEED, HERBERT ALEXANDER	8 and 9, Martin's Lane, Cannon Street, E.C.
Oct. 1905	*GLENN, GEORGE FREDERICK	West Lodge, West Byfleet, Surrey.
Oct. 1912	*GLOVER, CECIL MILLER	Daimler House, Paradise Street, Birmingham.
Oct. 1910	*GODDARD, HENRY GEORGE FREDERICK	14, Hammet Street, Taunton.
Oct. 1908	*GODWIN, CHARLES FISHER	49, The Crescent, West Croydon, Surrey.
Oct. 1911	*GOLBY, ROBERT EDMUND	13, Swiss Terrace, South Hampstead, N.W.6.
Oct. 1911	*GOLD, PATRICK HUGH	

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
5673	Oct. 1909	*GOODALL, ERIC WILLIAM ALD-RICH	26, Cromwell Avenue, Highgate, M (Middlesex).
7832	Nov. 1918	*GOODENOUGH, KENNETH MACKENZIE	11, Russell Road, Redland, Bristol.
8499	Oct. 1921	*||GOODLAND, HENRY EDWARD	Council Offices, Slough, Bucks.
4175	Oct. 1903	*||GOODWIN, HENRY ERNEST.. ..	39, Drakefell Road, Brockley, S.E.
4176	Oct. 1903	*GOODWIN, PERCY WORTHINGTON	Copston, Hinckley, Leicestershire.
7833	Nov. 1918	*GORDON, ANDREW DONALD	30, Stapleton Hill Road, Stroud Green, N.4 (Middlesex).
4177	Oct. 1903	*GORE, GEORGE PYM	81, Bondgate, Darlington, Durham.
956	May 1883	GORE, WILLIAM JOLL.. .. .	205, Wardour Street, W.
5674	Oct. 1909	*||GOSNEY, STANLEY HARRY.. ..	44, Addiscombe Road, Croydon.
6658	Oct. 1912	*||GOSSLING, RUPERT EMERSON ..	Market Place, Prince's Risborough, Bucks.
4427	Oct. 1904	*||GOTELEE, GUY STANLEY	St. Cranbrook, Crichton Road, Chesham.
7834	Nov. 1918	*||GOUDIE, ALEXANDER MACLEAN	20, Queen's Terrace, Ayr, N.B.
5166	Oct. 1907	*GOULD, GEORGE HARRY BER- TRAM	
5457	Oct. 1908	*||GOULDER, ARTHUR CHRISTOPHER	38, Sackville Street, Piccadilly, W.1.
6659	Oct. 1912	*||GOULDING, GEORGE DIXON	2, Mount Road East, Sunderland, Durham.
6660	Oct. 1912	*GOULDING, WILLIAM WHITTAKER	8, Marshall Road, Levenshulme, Manchester.
8193	Oct. 1920	*GOWEN, STANLEY CHARLES JONATHAN	89, Stoor Hill, Wyke, near Bradford.
4698	Oct. 1905	*GOWLLAND, STEPHEN LEVERSHA	56, Holborn Viaduct, E.C.1.
6661	Oct. 1912	*GRABHAM, STANLEY	113, Oxford Road, Linthorpe, Middlesbrough.
7835	Nov. 1918	*||GRAHAM, EDWARD, LIEUT.	Union Offices, Chester-le-Street.
7836	Nov. 1918	*GRAHAM, GEORGE ALFRED LEE, CAPT.	
7837	Nov. 1918	*GRAHAM, HENRY IRVING	Eller Bank, Harrington, Cumberland.
5939	Oct. 1910	*GRAIN, HENRY HERBERT BRETT	66, St. Andrew's Street, Cambridge.
5357	Feb. 1908	*GRAIN, PETER BOVILL.. .. .	66, St. Andrew's Street, Cambridge.
4960	Oct. 1906	*GRANT, JOHN YATES	St. Clement's House, 27, Clements Lane, E.C.
2669	Dec. 1889	*GRANT, JOSEPH	103, George Street, Croydon.
5940	Oct. 1910	*||GRANT, LESLIE THOMAS	35, Carlton Road, Putney Hill, S.W.
8194	Oct. 1920	*||GRAVES, PAUL KINGSLEY	117, North Street, Brighton.
8035	Oct. 1919	*||GRAY, JAMES	113, Dalkeith Road, Edinburgh.
4951	Oct. 1906	*GRAY, JAMES ARTHUR	22, Chapel Street, Edgware Road, N.W.1.
7173	Oct. 1913	*GRAY, JOHN BYWELL	Room 14, 3rd Floor, Mayfair, Belf.
2583	Oct. 1893	*GRAY, PERCY WILLIAM	29, St. Andrew's Street, Cambridge.
7686	Nov. 1916	*||GRAY, SYDNEY JOHN	Old Street House, Petersfield, Hampshire.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1905	*¶ GRAY, WILLIAM EDWARD	4, St. Margaret Street, Canterbury.
Nov. 1918	*GREEN, FREDERICK SIDNEY	106, Taylor Road, King's Heath, Birmingham
Oct. 1920	*¶ GREEN, GEORGE EDWARD	10A, Vicarage Parade, West Green Road, N.15 (Middlesex).
Nov. 1918	*GREEN, GRAHAM HARRY WYNDHAM, CAPT., M.C.	The Warren, Willesborough, Kent.
Oct. 1921	*¶ GREEN, HAROLD	38, Firs Hill Road, Sheffield.
Oct. 1920	*¶ GREEN, HERBERT FREDERICK	79, Princess Road, Edgbaston, Birmingham.
Oct. 1921	*¶ GREEN, REGINALD GEORGE	Theddingworth, Leicestershire.
Oct. 1919	*¶ GREEN, SAMUEL LEROY TOWNSEND	22, Chancery Lane, W.C.2.
Oct. 1912	*GREEN, THOMAS FRANK, A.R.I.B.A.	272, Willesden Lane, N.W.2. (Middlesex).
Dec. 1887	*GREEN, THOMAS JOHN	13, King Street, Maidstone.
Oct. 1921	*¶ GREENHALGH, HAROLD	179, Settle Street, Great Lever, Bolton, Lancs.
Oct. 1910	*GREENOUGH, HARRY	74, Northfield Terrace, Wibsey, Bradford, Yorkshire.
Oct. 1921	*¶ GREENWAY, ARCHIE ERNEST	118, Earlsall Road, Eltham, S.E.9.
Oct. 1921	*¶ GREENWAY, WILLIAM ASTBURY	Red Hall Road, Lower Gornal, nr. Dudley, Worcestershire.
Oct. 1897	*GREENWOOD, ERNEST	360, High Road, Chiswick, W. (Middlesex).
Feb. 1911	*GREENWOOD, JOSEPH	20, Queen's Road, Keighley, Yorkshire.
Oct. 1913	*GREENWOOD, WILLIAM	11, Richmond Terrace, Blackburn.
Oct. 1910	*GREGORY, CHARLES HENRY	4, Fillebrook Road, Leytonstone, E.11 (Essex).
Oct. 1911	*¶ GREGORY, DOUGLAS	Buena Vista, Penrhyn View, Colwyn Bay, N. Wales.
Oct. 1913	*GREGORY, FRANK	Estate Office, Cheswardine, Market Drayton, Salop.
Oct. 1911	*GREGORY, WILLIAM JAMES	17, Darley Road, Seymour Grove, Manchester.
Oct. 1912	*¶ GREY, GEORGE FORBES	The Surrey Agricultural Committee, County Hall Annexe, Kingston-on-Thames.
Oct. 1917	*¶ GRIFFITHS, DANIEL	Granville House, Pontypool, Mon.
Oct. 1915	*¶ GRIFFITHS, EDGAR REES	Nicholaston, Clarendon Road, Sketty, Swansea.
Oct. 1920	*¶ GRIFFITHS, HAROLD	5, Hamilton Square, Birkenhead, Cheshire.
Oct. 1920	*GRIFFITHS, SAMUEL PRICE	"Hadley," Alderley Edge, near Manchester.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
2592	Nov. 1892	*GRIGGS, HENRY JENNER, A.R.I.B.A.	Metropolitan Bank Chambers, Newport, Monmouthshire.
7841	Nov. 1918	*GRIMSHAW, ALLAN LESLIE ..	252, Elliott Street, Tyldesley, Lancs.
6261	Oct. 1911	*†GRIMWADE, FREDERICK CLIVE ..	Caxton House West, S.W.1.
1076	Jan. 1884	GRIMWADE, HENRY	Colchester, Essex.
5680	Oct. 1909	*†GROGAN, HAROLD KEITH	P.O. Box, 288, Nairobi, Kenya Colony, Africa.
3686	Oct. 1900	*GROVE, RICHARD THOMAS	Linchden, Beaumont Road, Wimbledon, S.W.
5682	Oct. 1909	*GROVER, LUKE MONTAGU	P.W.D., Ho, via Accra, Gold Coast, Africa.
5683	Oct. 1909	*GUDE, CHARLES, JUN.	9, St. Paul's Square, Bedford.
7178	Oct. 1913	*†GUDGEON, GEORGE HAROLD ..	Moorside, North Walls, Winchester.
6962	Feb. 1913	*GUIVER, DUDLEY	47, Cecil Road, Enfield, Middlesex.
5082	Feb. 1907	*†GUMBRELL, LEONARD BARTON ..	64, King Edward's Grove, Teddington, Middlesex.
7179	Oct. 1913	*†GURNER, VICTOR THORNTON ..	Le Chalet, Hill Road, Prittlewell, Southend-on-Sea.
2625	Feb. 1900	*GURNEY, RONALD GEORGE ..	Ledbury Rural District Council, Ledbury, Herefordshire.
5946	Oct. 1910	*GURNEY, SIDNEY JOHN	116, Victoria Drive, Eastbourne.
7842	Nov. 1918	*†GURNEY, WILLIAM FRANCIS ..	15, Upper Street, Islington, N.1.
7843	Nov. 1918	*HADDEN, FREDERICK WILLIAM	21, Bradley Gardens, Ealing (Middlesex), and 9, Stone Buildings, W.C.2.
8505	Oct. 1921	*†HADDOW, ROBERT BAYNE ..	Strowan, Bridge of Weir, N.B.
6670	Oct. 1912	*HADFIELD, EDWARD	6, Old Hall Lane, Worsley, Lancs.
4702	Oct. 1905	*†HAGGER, ALBERT JAMES	25, Gerald Road, Bournemouth.
4180	Oct. 1903	*HAGGER, GEORGE JOHN	Warwick House, Grove Road, Surrey.
8038	Oct. 1919	*HAGGETT, HORACE PURCHASE ..	"Cargate," Bryngwyn Road, Newport, Mon.
7180	Oct. 1913	*HAGGIS, ERNEST VICTOR	14, Hillside Gardens, Highgate, (Middlesex).
8200	Oct. 1920	*†HAGON, LEONARD	2, Priory Road, Alfreton, Derby.
3838	Oct. 1901	*†HAINES, ALFRED HUBERT	Stanmore, Wye, Kent.
3996	Oct. 1902	*HALE, FRANCIS EDWARD	West Watch, Limpsfield, Surrey.
5872	Oct. 1912	*HALL, CYRIL ALBERT	Survey Office, Nairobi, British East Africa.
6448	Feb. 1912	*†HALL, ERNEST WILLIAM	Limbe, P.O., Nyassaland.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Jan. 1896	*HALL, FREDERICK WALTER ..	Olliver, Richmond, Yorks.
Oct. 1912	*HALL, HAROLD LONDESBOROUGH	Studholme, Healey, Batley, Yorks.
Oct. 1919	*HALL, HERBERT GEORGE RHÔNE, CAPTAIN	Eaton Villa, Hoppus Road, Palmers Green, N. 13 (Middlesex).
Oct. 1912	*HALL, HERBERT WILLIAM, A.M.I.C.E.	Assistant Engineer, B. & C. D. Railway, Queen's Quay Station, Belfast.
Oct. 1903	*HALL, MONTAGUE PRESTON ..	38, Chancery Lane, W.C.
Oct. 1920	*HALL, PATRICK MARTIN ..	Brook House, Warsash, Hants.
Oct. 1920	*HALL, RICHARD LESLIE CARBY	Church House, Roundhay, Leeds.
Oct. 1920	*HALL, THOMAS RAINBIRD ..	3, Melrose Terrace, Breamore Road, Seven Kings, Essex.
Oct. 1895	*HALL, THOMAS BIDDLE ..	Hoxne, near Diss, Suffolk.
Oct. 1913	*HALL, WALTER HOWARD, A.M.I.C.E.	46, Queen's Road, Finsbury Park, N. (Middlesex).
Oct. 1905	*HALLAM, FRANK VINCENT..	55, Adolphus Road, Finsbury Park, N.4 (Middlesex).
Oct. 1907	*HALLIDAY, GEORGE ARTHUR ..	4, Goodmayes Avenue, Goodmayes, Essex.
Nov. 1918	*HALLS, ARTHUR HAROLD ..	30, Swiss Avenue, Chelmsford, Essex.
Oct. 1907	*HALSE, SIDNEY JOSEPH ..	13, Yuen Ming Road, Shanghai.
Oct. 1921	*HAMES, PERCIVAL JAMES ..	C.E. in Chief's Department, Admiralty, S.W.1.
Oct. 1905	*HAMILTON, EDWARD	Faraday House, 8/10, Charing Cross Road, W.C.
Oct. 1912	*HAMILTON, JAMES EASTWOOD ..	78, West Side, Clapham Common, S.W.4.
Feb. 1882	HAMILTON, JOHN PAYNTER ..	64 and 65, Coleman Street, E.C.
Oct. 1913	*HAMMICK, GEORGE FREDERICK ..	Estate Office, Kingsteignton, S. Devon.
Oct. 1912	*HAMMOND, EDMUND BLAND ..	66, St. Mary's Road, Manningham, Bradford, Yorks.
Oct. 1910	HAMMOND, GEORGE ADDISON	Air Ministry, Room 161, Works and Buildings, 4A, Empire House, Kingsway, W.2.
Oct. 1910	*HAMMOND, JOHN BERNARD ..	8, Bennett's Road, Headingley Lane, Leeds.
Oct. 1900	*HANCOCK, HENRY SYDNEY, JUN.	Sydney Place, St. Austell, Cornwall.
Oct. 1913	*HANDO, FREDERICK JOHN ..	254, Sandicombe Road, Kew Gardens, S.W. (Surrey).
Nov. 1892	*HANKINSON, FRANCIS HENRY ..	Richmond Chambers, Bournemouth.
Oct. 1921	*HANKINSON, HAROLD	13, Wentworth View, Grenoside, nr. Sheffield.
Oct. 1915	*HANNAM, GUY NORTON	94, Sarsfield Road, Wandsworth Common, S.W.
Oct. 1907	*HANNON, JOHN MICHAEL .. .	9, Spring Gardens, S.W.
Oct. 1894	*HARDIMAN, HARRY	13, Carisbrooke Road, St. Leonards-on-Sea.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
2204	Oct. 1920	*HARDING, CHARLES RICHARD..	Hillside, Honiton, Devon.
1419	Dec. 1887	*HARDING, FREDERICK ALLCROFT	Willis's Room, King Street, S. Jan S.W.1.
7184	Oct. 1913	*HARDING, GEORGE POOL	19, Tankerville Road, Streatham Co mon, S.W.16.
7845	Nov. 1918	*HARDING, HENRY NORMAN, MAJOR, M.C.	Cranmore, Spring Grove, Islewo Middlesex.
7846	Nov. 1918	*HARDMAN, EDGAR AUSTIN ..	12-13, Henrietta Street, Strand W.C.2.
2958	Oct. 1895	*HARDWICK, ARTHUR JESSOP ..	Eagle Chambers, Kingston-on-Thar Surrey.
6965	Feb. 1913	*HARDY, ALAN	Grimeshill Estate Office, Middlet Kirkby Lonsdale, Westmoreland
8205	Oct. 1920	*HARDY, CUTHBERT	91, Derby Road, Long Eaton, N Nottingham.
8206	Oct. 1920	*HARKER, ALEC.	71, Belgrave Road, New Most Failsworth, Manchester.
8508	Oct. 1921	*HARKNESS, WILLIAM ALFRED	c/o Mrs. McDonnell, King's Squa Fermoy, co. Cork.
3690	Oct. 1900	*HARLOW, WILLIAM WYATT RIDGWAY, A.M.I.C.E.	Orsett House, Birmingham Ro Kidderminster.
5688	Oct. 1909	*HARPUR, FRED.	7, Glanifont Terrace, Bulth We Brecon.
4433	Oct. 1904	*HARRINGTON, CHARLES POLAND	37, Sternhold Avenue, Streatham F S.W.
5950	Oct. 1910	*HARRIS, CHARLES FRANCIS NORMAN	22, Carlton Road, Putney, S.W.
8509	Oct. 1921	*HARRIS, FRANCIS KENNETH CRAIG	13, Albany Road, Hartshill, Sto on-Trent.
5689	Oct. 1909	*HARRIS, HORACE SAMUEL	12, Shrubbery Villas, Bushey Ro Sutton, Surrey.
7185	Oct. 1913	*HARRIS, WILFRED HENRY.. ..	76A, Bedford Road, Clapham, S.W.
8510	Oct. 1921	*HARRIS, WILLIAM MURRAY ..	10, Ryde Vale Road, Balham, S.W.
2959	Oct. 1895	*HARRISON, ARTHUR	The Hermitage, Norton, Durlham.
2960	Oct. 1895	*HARRISON, CYRIL H. GILMORE..	Great Brington, Northampton.
3840	Oct. 1901	*HARRISON, ERNEST	Hillside, Hest Bank, nr. Lancas
3311	Feb. 1898	*HARRISON, HENRY BEAUCHAMP	Newington House, Windsor Forest
8207	Oct. 1920	*HARRISON, JAMES ALLEN ..	4, Treyew Road, Truro.
6681	Oct. 1912	*HARRISON, NORMAN SIMONS ..	The Elms, Brierley, nr. Barnsley
8208	Oct. 1920	*HARRISON, PERCY	Town Hall, Middleton, Lancs.
8511	Oct. 1921	*HARRISON, PERCY CHARLES	12, Leslie Street, Pollokshield Glasgow.
8209	Oct. 1920	*HARRISON, WILLIAM MICHAEL	"Dunoon," Greenbank Road, I lington.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1911	*HART, ARTHUR REGINALD GLENDOWER	Survey Department, Uganda.
Oct. 1920	*HART, FRANK JAMES	44, Gordon Road, Ealing, W.5 (Middlesex).
Oct. 1908	*HART, HERBERT EDWARD	8, Preshaw Crescent, Lower Green West, Mitcham.
Oct. 1913	*HART, ROBERT	Hillcrest, Radcliffe New Road, White- field, Manchester.
Oct. 1913	*HARTLAND, KENNETH WRIGHT ..	United Services Club, Livingstone, W. Rhodesia. S. Africa.
Oct. 1912	*HARTLEY, RICHARD BASIL RUTHERFORD	39, Princess Street, Manchester.
Oct. 1912	*HARTRIDGE, ELIOT NOEL	94, Queens Road, Richmond, Surrey.
Oct. 1910	*HARVEY, JAMES MOREWOOD ..	Creglorne, Londonderry.
Oct. 1912	*HARVEY, WILLIAM AYTON	Eaton Chambers, Buckingham Palace Road, S.W.1.
Nov. 1918	*HARWOOD, WALTER	Chirambe, Limlie P.O., Nyasaland, Africa.
Oct. 1905	*HASLEHUST, ERIC THOMASSET ..	Manor Office, Yealmpton, S. Devon.
Oct. 1898	*HASSETT, REGINALD CHARLES ..	42, High Road, Kilburn, N.W. (Middlesex).
Oct. 1921	*HATHAWAY, WALTER ALBERT	8, Alexandra Park Street, Dennis- town, Glasgow.
Oct. 1909	*HATTON, JOHN DOUGLAS	10, King Street, Hereford.
Oct. 1912	*HAUGHTON, CECIL	21, Crown Lane, Bromley, Kent.
Oct. 1893	*HAWES, FREDERICK KIRK	The Elms, Lowthorpe, Driffield, E. Yorkshire.
Oct. 1913	*HAWKINS, WILLIAM JOSEPH ..	Land and Estate Department, Port of London Authority, Victoria Embank- ment, E.C.
Oct. 1919	*HAWORTH, RICHARD TALBOT ..	School House, Broughton Beck, Ulverston, Lancs.
Nov. 1918	*HAWORTH, THOMAS	Ivanhoe Villas, Walton-le-Dale, nr. Preston.
Nov. 1918	*HAY, CUTHBERT JOSEPH, CAPT.	11, Weech Road, Hampstead, N.W.
Oct. 1913	*HAY, ROBERT STEPHEN	
Oct. 1915	*HAYCOCK, HARRY	Great Glen, near Leicester.
Oct. 1907	*HAYES, FREDERICK PERCY	The Thornes, New Road, Chesham, Bucks.
Oct. 1903	*HAYLLAR, SIDNEY HAYLLAR ..	c/o Sadler and Baker, Camberley, Surrey.
Oct. 1912	*HAYLOCK, HENRY EVENNETT ..	19, Trinity Square, Nottingham.
Oct. 1913	*HAYNES, ARTHUR EDWARD NORMAN	13, Grandison Road, Clapham Com- mon, S.W.11.
Oct. 1919	*HAYNES, HERBERT CECIL	16, Montem Road, Forest Hill, S.E.23.
Oct. 1901	*HAYWARD, ARTHUR BALDWIN ..	14, John Street, Adelphi, W.C.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
4711	Oct. 1905	*¶ HAYWARD, ARTHUR LATEWOOD ..	7, New Road, Chatham, Kent.
4436	Oct. 1904	*¶ HAYWARD, JOSEPH	4, Randolph Court, Portsdown Road, W.9.
5693	Oct. 1909	*¶ HAYWARD, WILLIAM HANSELL ..	8, Breams Buildings, Chancery Lane, E.C.4.
8211	Oct. 1920	* HAZEL, JAMES SAUNDERS ..	25A, Whiteladies Road, Bristol.
4437	Oct. 1904	* HAZLETT, JOHN JOSEPH	Estate Commission Office, Upper Marlborough Street, Dublin.
3284	Oct. 1897	* HEAD, WILLIAM ALFRED	43 and 45, Durham Street, Vauxhall, S.W.
6692	Oct. 1912	* HEALE, CHARLES HENRY ROSS ..	Omer, Australia.
5176	Oct. 1907	* HEALY, HARRY PRINCE	94, Castlewood Road, Stamford Hill, N.13.
8513	Oct. 1921	* HEARN, GEORGE LEONARD ..	Valuation Department, Guildhall, E.C.2.
5177	Oct. 1907	*¶ HEATH, SIDNEY HOWARD	Granville House, 3, Arundel Street, Strand, W.C.
693	Oct. 1912	* HEATON, GUY	Abbey Chambers, York Street, Bath.
5954	Oct. 1910	* HEATON, HERBERT	Nog Tow Cottage, Cottam, near Preston.
8212	Oct. 1920	* HEATON, JOHN JOSEPH	Oak View, Church Street, Addlebury, Ham, Ilkley, Yorks.
8213	Oct. 1920	* HEATON, PETER	
6694	Oct. 1912	*¶ § HEAVEN, FRANK HENRY, A.R.I.B.A.	39, Coronation Street, Aberken Bridgend, Glamorgan.
1287	Dec. 1886	* HEBBLETHWAITE, CHAS. HENRY	41, Commercial Street, Halifax, York shire.
8514	Oct. 1921	*¶ HEDGES, ALFRED VICTOR ..	Gawthorpe Lodge, Burnley.
8042	Oct. 1919	* HEDGES, OSCAR JOHN	9, Temple End, High Wycombe.
8214	Oct. 1920	*¶ HEDLEY, HUBERT FREDERICK	3, Valentine Street, Norwich.
7850	Nov. 1913	* HEDLEY, MICHAEL THOMPSON ..	Canwell, Sutton Coldfield, nr Birmingham.
5955	Oct. 1910	* HEDLEY, REGINALD THOMAS FENWICK	31A, Colmore Row, Birmingham.
5178	Oct. 1907	*¶ HEDLEY, THEODORE FENWICK	26, Beechwood Avenue, Darlinghurst, N.S.W.
5956	Oct. 1910	* HEELAS, RAYMOND JOHN	Town Hall Chambers, Guildford.
7851	Nov. 1913	* HEELEY, HIXON HARRY	Estate Department, Euston Station, N.W.1.
5179	Oct. 1907	* HEELEY, JOE	Estate Department, Euston Station, N.W.1.
8515	Oct. 1921	*¶ HEELEY, NORMAN	Rating Surveyor's Office, L.N.W. Co., Euston Station, N.W.1.
2526	Nov. 1892	*† HELLICAR, GEORGE THOMAS ..	47, Woodberry Grove, Finsbury Park, N.
7852	Nov. 1913	* HELLIER, STANLEY JOHN, CAPT.	Council Offices, Formby, near Liverpool, pool.
8516	Oct. 1921	*¶ HEMMING, GORDON WAYTE ..	51, Mount Ararat Road, Richmond, S.W.

† Special Sanitary Science Diploma.

¶ Special Rating Diploma.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1912	*¶HEMMONS, BERNARD.. ..	10, Cambridge Park, Twickenham, Middlesex.
Oct. 1913	*¶§HEMPSON, LEONARD AMIS ..	West Hill, Copdock, Ipswich, Suffolk.
Oct. 1910	*HENDERSON, JOHN ALEXANDER	Casslands, Springwell Road, Tonbridge, Kent.
Oct. 1911	*HENDERSON, LIONEL EDWARD..	Beechlands, Vincent Road, Coulsdon, Surrey.
Oct. 1910	*¶HENDERSON, PERCY CHARLES ..	55, Leigham Court Road, Streatham Hill, S.W.
Oct. 1907	*HENDERSON, REGINALD ALFRED	15, Randall Road, Clifton, Bristol.
Oct. 1920	*¶HENDERSON, THOMAS	16, Haddow Street, Hamilton, Scotland.
Oct. 1905	*HENDRA, ALBERT JOHN	9, Spring Gardens, S.W.1.
Oct. 1912	*¶HENDRIE, ROBERT JOHN	Borough Surveyor's Office, Gilmour Street, Paisley.
Oct. 1913	*¶HENDY, ALFRED	Buckminster, Grantham.
Apr. 1883	HENRY, EDWARD HUGH	73, High Street, Clapham, S.W.
Oct. 1920	*HENSHAW, LINDLEY	Beech Dene, Davenport Park, Stockport.
Oct. 1904	*¶HENSON, FREDERICK JASPER ..	5, Mount Street, W.
Oct. 1912	*HEPPEL, FRANCIS HENRY, A.R.I.B.A.	74, St. Dunstan's Crescent, Battenhall, Worcester.
Oct. 1912	*HERDMAN, THOMAS ADAM.. ..	"Tynedale," Westerhope, nr. Newcastle-on-Tyne.
Oct. 1911	*HERRING, ERNEST LEONARD ..	c/o Messrs. Rumsey and Rumsey, 116, Poole Road, Bournemouth West.
Oct. 1921	*¶HESLOP, JOHN REDVERS	The Oaks, Burnopfield, co. Durham.
Feb. 1913	*HEWETT, FRANK CHARLES.. ..	71, Abingdon Road, Kensington, W.
Oct. 1902	*¶HEWETT, RICHARD	13, High Street, Battle, Hastings, Sussex.
Nov. 1918	*HEWETT, WILLIAM RICHARD ..	Hillcrest, Rowlands, Wimborne, Dorset.
Oct. 1921	*¶HEWITT, ALBERT TENYSON MORLEY.. .. .	20, Beverley Road, Colchester.
Oct. 1919	*HEWSON, CHARLES GEORGE	64, Victoria Embankment, Darlington.
Oct. 1921	*¶HEYDON, FRANK	The Cottage, Middleton Lane, Winwick, Lanes.
Oct. 1910	*¶HEYWOOD, REGINALD	County Surveyor's Department, Lancashire County Council Offices, Preston.
Oct. 1901	*HICKMAN, ARTHUR MURHALL ..	Pride Hill Chambers, Shrewsbury.
Oct. 1905	*HICKMAN, FRANK DAVIS	67-68, Sauer's Buildings, Loveday Street, Johannesburg, S. Africa.
Oct. 1912	*HICKMAN, HENRY RICHARD ..	4, Dorset Road, Ealing, W.5. (Middlesex).

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
948	May 1883	HICKS, STANLEY (<i>Professional Associate of Council</i>)	29, Lincoln's Inn Fields, W.C.
6702	Oct. 1912	*HICKS, STANLEY VVYVIAN (<i>Secretary of Junior Meetings</i>)..	29, Lincoln's Inn Fields, W.C.
2963	Oct. 1895	*HICKS, WILLIAM ROOKE, A.M.I.C.E.	Town Hall, Ealing, W. (Middlesex).
8520	Oct. 1921	*HICKSON, FRANCIS VINCENT ..	47, Foregate Street, Worcester.
8044	Oct. 1919	*HILL, JOHN STUART	South View, Draycott, Somerset.
6703	Oct. 1912	*HILL, STANLEY	Bonham Cottage, St. James Street, Winchester.
7600	Oct. 1915	*HILL, SYDNEY NORMAN	Lansdowne, Baker Street, Enfield, Middlesex.
7198	Oct. 1913	*HILL, THOMAS CUTHBERTSON ..	4, Cavendish Place, Jesmond, Newcastle-on-Tyne.
6704	Oct. 1912	*HILL, THOMAS GOUNDREY.. ..	Woodlands, Hinkey Hill, Oxford.
7687	Nov. 1916	*HILL, WILLIAM	79, Duke Street, Liverpool.
8521	Oct. 1921	*HILL, WILLIAM ARCHIBALD ..	83, Upland Road, East Dulwich, S.E.22.
8522	Oct. 1921	*HILL, WILLIAM JOHN	Brightside, Rodney Terrace, Croydon, Surrey.
7855	Nov. 1918	*HILLARY, NORMAN	The Peak, Basingstoke, Hants.
3694	Oct. 1906	*HILLIARD, HUGH NEVILLE.. ..	Chelmsford.
7199	Oct. 1913	*HILLMAN, ALFRED KAMMEYER..	11, Portland Street, Southampton.
6705	Oct. 1912	*HILLS, WALTER VAUGHAN	95, Mount Pleasant Lane, Upper Claydon, N.E.
6706	Oct. 1912	*HILTON, OSWALD	Surveyor's Department, Council House, Hounslow, Middlesex.
8217	Oct. 1920	*HINDMARSH, JAMES	55, Mitchell Street, Birtley, Co. Durham.
4967	Oct. 1906	*HINE, STANLEY GORDON	76, Hall Road, Handsworth, Birmingham.
6707	Oct. 1912	*SHINES, GERALD	Bank Chambers, Nuneaton, Warwickshire.
5466	Oct. 1908	*HINGLEY, JOSEPH BLOOMER ..	317, East India Dock Road, Poplar, London.
6274	Oct. 1911	*HIPKIN, JOHN	6, Dunedin Road, Ilford, Essex.
6709	Oct. 1912	*HIRST, BYROM	21, Frodingham Road, Scunthorpe, Lincs.
7202	Oct. 1913	*HIRST, CHARLES HENRY	Claremont, Rothwell, near Leeds.
5696	Oct. 1909	*HIRST, WILLIAM FREDERICK ..	75, Hillfield Park, Muswell Hill, (Middlesex).
7203	Oct. 1913	*HITCHINS, STEPHEN	University College, Reading
6711	Oct. 1912	*HITCHINS, WALTER WILLIAM ..	Norville, Holly Road, Heaton Cheshire, Stockport.
8523	Oct. 1921	*HOBBS, HERBERT PRENZEL ..	2, George Street, Oxford.
6275	Oct. 1911	*HOBBS, REGINALD ARTHUR ..	54/55, London Wall, E.C.
4442	Oct. 1904	*HOBSON, FREDERICK VACHELL..	

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1912	*HOCKLEY, GEORGE WILLIAM ..	130, Mount Street, W.1.
Nov. 1890	*HODGKINSON, JAMES HENRY ..	23, Delamere Street, Ashton-under-Lyne, Lancashire.
Oct. 1920	*HODGKINSON, OWEN ALLEN	55, St. Michael's Road, Maesteg, Glam.
Oct. 1896	*HODGSON, ARCHIBALD SANFORD	Westons Place, Warnham, Sussex.
Nov. 1918	*HODGSON, STANLEY BENIAMS ..	3, Bassett Road, North Kensington, W.10.
Oct. 1907	*HODSON, ANTHONY GEORGE ..	Springmount, Kingston Road, Lewes, Sussex.
Oct. 1907	*HODSON, FREDERIC HENRY ..	26, Pretoria Road, Streatham Park, S.W.
Oct. 1913	*HODSON, HENRY MOULTON ..	138, Bedford Road, Kempston, Beds.
Oct. 1919	*HOGGARTH, WILLIAM EDWARD THOMAS	15, Nassau Street, Mortimer Street, W.1.
Oct. 1903	*HOLBECH, NIGEL LAURENCE ..	21, Bennett's Hill, Birmingham.
Oct. 1897	*HOLBROW, HERBERT OLIVER ..	18, Apsley Road, Clifton, Bristol.
Oct. 1903	*HOLDITCH, CHARLES STANLEY ..	21, Lockyer Street, Plymouth.
Oct. 1910	*HOLE, WILLIAM GERALD	Bovey Tracey, S. Devon.
Oct. 1908	*HOLFORD, SHELLEY	Braeside, Weald Road, Brentwood.
Oct. 1920	*HOLIDAY, WILLIAM GARNET ..	Valuation Office, Inland Revenue, 18, Shoot-up Hill, Brondesbury, N.W.
Oct. 1913	*HOLLIDAY, GEORGE	44-5, High Street, Croydon, Surrey.
Oct. 1920	*HOLLIDAY, JOHN	Estate Office, Greysouthen, Cocker-mouth, Cumberland.
Nov. 1891	*HOLLIS, HERBERT, A.M.I.C.E. ..	Bathurst, The Gambia, West Africa.
Nov. 1891	*HOLLIS, RALPH	Springfield, Skirlaugh, Hull.
Oct. 1921	*HOLLOWELL, HARRY	c/o Mrs. Shelton, 16, Queen's Road, Twickenham, Middlesex.
Oct. 1906	*HOLMAN, LUTHER MARTIN	"Brooklyn," Ditchling Road, Brighton, Sussex.
Oct. 1894	*HOLMES, JOHN EDWARD	18, Grosvenor Gardens, S.W.1.
Oct. 1920	*HOLMES, JOHN STANLEY GARTSIDE	"Southfield," Ossett, Yorks.
Oct. 1908	*HOLT, EDWARD	Clifden, Southborough Drive, West-cliff-on-Sea, Essex.
Jan. 1922	HOLT, F. BRANSBURY	Public Works Dept., Pretoria, South Africa.
Jan. 1922	HOLT, W. J.	26, Old Burlington Street, W.1.
Oct. 1911	*HOLTOM, WILLIAM WATKINS BUEER	
Oct. 1912	*HOMEWOOD, HAROLD ROBERT ..	District Offices, Morley Road, Bourne-mouth.
Oct. 1896	*HOMFRAY, HERBERT RICHARDS ..	Penllyn Castle, Cowbridge, R.S.O., S. Wales.
Oct. 1919	*HOOK, ALBERT	26, Woods Lane, Stapenhill, Burton-on-Trent.
Oct. 1921	*HOOPER, ARNOLD FIELDER ..	Norfolk House, Norfolk Street, W.C.2

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7210	Oct. 1913	*HOOPER, ARTHUR HENRY	15, Sefton Park Road, Ashley D Bristol, Gloucestershire.
7211	Oct. 1913	*HOOPER, WILLIAM DOUGHTY ..	44, St. Paul's Road, Thornton H Surrey.
7212	Oct. 1913	*HOPE, JOHN LEO	c/o Falconer & Baker, Ambe Gloucestershire.
5966	Oct. 1910	*HOPLEY, SYDNEY FRANK	Lantarnam, nr. Newport, Mon.
7213	Oct. 1913	*HOPPER, GEORGE	65, Manor Road, Scarborough.
4193	Oct. 1903	*HORDER, GERALD MORLEY	40, Catherine Street, Westmin S.W.
8526	Oct. 1921	*HORNE, EDWIN CHANCELLOR	57, Hanworth Road, Hounslow dlesex.
6281	Oct. 1911	*HOSEGOOD, FRANK	"Holmsley," Holway, Taur Somerset.
5470	Oct. 1908	*HOSGOOD, RALPH BRIAN	84, Osbaldeston Road, N.16.
4721	Oct. 1905	*HOSKING, HAROLD ARTHUR ..	Ebenezer, Leeds Road, Selby, Y
7214	Oct. 1913	*HOSKING, THOMAS STANLEY, A.R.I.B.A.	20, Macaulay Road, S.W.4.
8222	Oct. 1920	*HOTSON, ANDREW	c/o Post Office, Salisbury, S. Rho
6449	Feb. 1912	*HOUGHTON, JOHN HENRY ..	40, Gloucester Road, Kew, Surrey
5968	Oct. 1910	*HOULDSWORTH, AUSTIN FRANK	20, Savile Street, Hull.
7857	Nov. 1913	*HOWARD, ALGERNON	c/o P. Chase Gardener & Co., 269, Street, Hounslow, Middlesex.
8527	Oct. 1921	*HOWARD, EDWARD HUMPHREY	Fronheulog, The Belan, Welsh Montgomeryshire.
7858	Nov. 1913	*HOWARD, SAMUEL	4, Whitehall Street, Rochdale, La
7216	Oct. 1913	*HOWARTH, HERBERT	19, East View, Preston, Lancash
7859	Nov. 1913	*HOWELL, CHARLES GORDON ..	Brooklyn, Mount Nod Road, Strea S.W.16.
866	Jan. 1883	HOWELL, ERNEST JOHN	88A, Cromwell Road, S.W.
7217	Oct. 1913	*HOWIE, JOHN	c/o Jack, 118, Byres Road, Glas
7218	Oct. 1913	*HOWKINS, GILBERT	The Elms, Crick, Rugby, Warw shire.
7219	Oct. 1913	*HOWLETT, ARTHUR ROYCE ..	High Street, Hurstpierpoint, Susse
6719	Oct. 1912	*HOWSE, EVAN GEORGE	85, Redcliff Street, Bristol.
8528	Oct. 1921	*HOWSE, FREDERICK THOMAS LANE	The Poplars, Beckley, Sussex.
7220	Oct. 1913	*HOYLE, HENRY ARMITAGE ..	176, Birkby Hall Road, Bi Huddersfield.
8529	Oct. 1921	*HUBBARD, FREDERICK FRANK	25, Tower Street, Ipswich.
5969	Oct. 1910	*HUCKSTEP, JOHN EDWARD ..	Room 20, Inland Revenue, 184, I gate, Manchester.
7221	Oct. 1913	*HUDSON, JAMES ALEXANDER ..	Hazlemere, Wetherby, Yorks.
8530	Oct. 1921	*HUFFELL, ALFRED CHARLES ..	2, Lloyd's Bank Chambers, W Road, Penarth, Glam.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Nov. 1918	*HUGHES, ARCHIBALD CECIL, CAPT.	The Ingle, Wokingham, Berks.
Oct. 1912	*HUGHES, BASIL, A.R.I.B.A. . .	4, Raymond Buildings, Gray's Inn, W.C.
Nov. 1916	*HUGHES, ERNEST	129, West Derby Road, Liverpool, E.
Oct. 1913	*HUGHES, ERNEST WILLIAM . .	Civil Engineer-in-Chief's Department, Admiralty, S.W.
Oct. 1915	*HUGHES, GEORGE WILLIAM . .	2, Hanch Place, Walsall, Staffs.
Oct. 1919	*HUGHES, LESLIE	69, Bank Chambers, 329, High Hol- born, W.C.1.
Oct. 1921	*HUGHES, NORMAN	Lyndhurst, Storeton Road, Prenton, Birkenhead, Cheshire.
Oct. 1911	*HUGHES, WILLIAM DONNE PRICE	District Valuer's Office, 2, King St., Wrexham.
Oct. 1908	*HUGHES, WILLIAM PARRY . . .	Avondale, Menai Bridge, Anglesey.
Feb. 1911	*HUGHESDON, GERALD EDWARD . .	2, Abingdon Road, Kensington High Street, W.
Oct. 1919	*HUMPHERY, WILLIAM OVERTON	Council Offices, Fakenham, Norfolk.
Oct. 1913	*HUMPHREYS, REGINALD . . .	Clifden House, Brentford, W. (Middle sex).
Oct. 1913	*HUMPHRIES, JOHN BUCKLE . .	14, St. Margaret's Road, Bradford, Yorks.
Oct. 1912	*HUNT, HARRY	c/o Hall, Wateridge & Owen, Shrews- bury.
Oct. 1921	*HUNT, MAURICE LEONARD . . .	8, Glebe Avenue, Enfield, Middlesex.
Oct. 1921	*HUNT, REGINALD WILFRID RICHARD	54, Westbourne Road, Luton.
Oct. 1905	*HURCOMB, HAROLD FRANCIS . .	Baring Road, Beaconsfield, Bucks.
Oct. 1920	*HURST, NORMAN	34, Hill's Avenue, Cambridge.
Oct. 1906	*HUTCHINGS, SIR ALAN, K.B.E.	10, Grosvenor Street, W.1.
Oct. 1911	*HUTSON, EWART GRAY	Water Engineer's Office, 52, Balls Road, Birkenhead.
Oct. 1920	*HUTSON, REGINALD ARTHUR	Council Offices, Carshalton, Surrey.
Oct. 1920	*HUTTON, GEORGE ROY	"Woodrow House," Forest, Melk- sham, Wilts.
Oct. 1912	*HYND, JOHN	23, Westbourne Grove, Withington, Manchester.
Oct. 1905	*IBBOTSON, WILLIAM BYROM . .	Bye Wood, Boyle Farm, Thames Ditton, Surrey.
Oct. 1911	*INCE, ALFRED ETHELBERT . . .	48, Bertrand Road, Bolton, Lancs.
Oct. 1912	*INGHAM, ARTHUR	8, Birchfield Villas, Hebden Bridge, Yorks.

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6726	Oct. 1912	*[INGHAM, GEORGE TAYLOR.. ..	Sandy Ridge, Radcliffe. nr. Mancha
6289	Oct. 1911	*INGHAM, WALTER	County Hall, Beverley, E. Yor
4972	Oct. 1906	*[INGLEBY, ERNEST JAMES, N.D.A.	Hillside, Buckover, Falfield,
7862	Nov. 1918	*INGLIS, ROBERT CUMMING	37, Lawrence Street, Dowanhi Glasgow.
8226	Oct. 1920	*INGMAN, GEORGE EDGAR	47, Foregate Street, Worcester
5194	Oct. 1907	*[INGRAM, EDWARD CECIL	The Bungalow, Sturminster Nev Dorset.
6727	Oct. 1912	*INMAN, WILLIAM CHARLES.. ..	Wychfield, Suttons Lane, Horne
1893	Nov. 1890	*INNES, GILBERT PLANTAGENET MITCHELL	Sandrock Hill, Playden, Sussex.
8050	Oct. 1919	*IRELAND, ALAN	3, Clarence Road, Manor Park, E (Essex).
6290	Oct. 1911	*[IRELAND, ERNEST ARTHUR.. ..	6, Grosvenor Gardens, East S S.W. 14 (Surrey).
4727	Oct. 1905	*ISARD, ERNEST	30, Ridgway Road, Redhill.
5701	Oct. 1909	*[ISITT, FREDERICK HARVEY.. ..	45, Holborn Viaduct, E.C.
4728	Oct. 1905	*ISITT, SAMUEL GILBERT, N.D.A. ..	Estate Office, Southill Park, Big wade, Beds.
8534	Oct. 1921	*[IVENS, FREDERIC WESTLEY	Stannmore, Linden Avenue, Ki minster, Worcestershire.
7863	Nov. 1918	*IVEY, FREDERICK PERCIVAL	Survey Dept., British South Af Company, Livingstone, Nor Rhodesia.
2682	Oct. 1894	*JACKSON, ALFRED ERNEST.. ..	Town Hall, Southport, Lancashir
2683	Oct. 1894	*JACKSON, EDWARD HENRY.. ..	Rearsby, Windermere, Westmorla
8227	Oct. 1920	*JACKSON, FRANCIS JOSEPH	121, Gresham Road, Staines, M sex.
6728	Oct. 1912	*JACKSON, JOHN EDWARD	132, King Street, Dukinfield, Manc
5972	Oct. 1910	*[JACKSON, LAMBERT	74, Church Street, Inverness, N.
4007	Oct. 1902	*[JACKSON, RICHARD STEPHENS	38, Sidney Road, Beckenham, K
6729	Oct. 1912	*JACKSON, THOMAS HORNSBY	Ashfield, Guiseley Road, Hors Leeds.
8535	Oct. 1921	*JACKSON, WILLIAM	Sulby, Victoria Road, Mill N.W.7. (Middlesex).
8051	Oct. 1919	*JACKSON, WILLIAM MARTIN	"Normandale," Bradford Road, field, Yorks.
5702	Oct. 1909	*[JAMES, FRANK J.	151, Wymering Mansions, Maid
6730	Oct. 1912	*JAMES, HARRY	77, Maltravers Street, Arundel.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1910	*JAMES, HERBERT CECIL	Municipal Offices, 15, Great Alie Street, Whitechapel, E.
Oct. 1911	*JAMES, JOEL JENKINS.. ..	Pantyphillip, Dwrbach, Pembrokeshire.
Nov. 1918	*JAMES, JOHN GEOFFREY	c/o Messrs. Ker & Co., Manila, Philippine Islands, West Indies.
Oct. 1913	*JAMES, WALTER ASHMAN	The Bungalow, Station Road, Nailsea, Bristol (Somerset).
Oct. 1907	*JAMES, WILLIAM GEORGE	14, Augustus Road, Wimbledon Park, S.W.
Oct. 1912	*JAMES, W. ROWLAND.. ..	Doldremont, Quay Street, Carmarthen.
Oct. 1913	*JAMIESON, WILLIAM ARTHUR	Borough Engineer's Office, Weymouth, Dorset.
Oct. 1913	*JAMRACH, HENRY CHARLES	6, Southern Road, West Southbourne, Hants.
Oct. 1905	*JANES, WALTER JOSEPH	47, Santos Road, Wandsworth, S.W.
Feb. 1894	*JARRETT, THOMAS WILLIAM	124, East Street, Sittingbourne, Kent.
Feb. 1911	*JARVIS, ERNEST HENRY.. ..	
Oct. 1913	*JARVIS, LOUIS JOHN WALLACE.. ..	6, King's Bench Walk, Inner Temple, E.C.4.
Oct. 1905	*JECKELLS, WILLIAM AUGUSTUS.. ..	Kewhurst, Avenue Road, Wallington, Surrey.
Oct. 1911	*JEFFERIES, HERBERT GEORGE, A.R.I.B.A.	11, Observatory Road, East Sheen, S.W. (Surrey).
Oct. 1921	*JEFFREY, RUFUS À BARROW	Don Head, nr. Salisbury.
Oct. 1912	*JENKINS, ALBERT HENRY HOPKIN	Blackmill, nr. Bridgend, Glam.
Oct. 1912	*JENKINS, CEDRIC.. ..	31, Park View, Harrogate, Yorks.
Oct. 1919	*JENKINS, FREDERICK LESLIE	Railway Hotel, Washford, near Taunton, Somerset.
Oct. 1913	*JENKINS, GEORGE DENHAM	
Oct. 1920	*JENKINS, RALPH EMERSON	Foydean, Cecil Avenue, Bournemouth.
Nov. 1918	*JENKINS, REGINALD ARTHUR BLEWITT	4, College Street, Swansea.
Oct. 1906	*JENKINSON, SAMUEL STEWART.. ..	G.E.R. Land Agent's Office, Liverpool Street Station, E.C.
Oct. 1910	*JENNINGS, FREDERICK GEORGE.. ..	22, Wote Street, Basingstoke, Hants.
Oct. 1920	*JENNINGS, GORDON SOTHAM	Deputy Surveyor, Council Offices, Blyth, Northumberland.
Oct. 1909	*JENNINGS, WALTER HENRY	Bemvinda, Queen's Road, Kingston Hill, Surrey.
Oct. 1905	*JENNINGS, WILLIAM ALFRED	7, Romford Road, Stratford, E. (Essex).
Oct. 1911	*JOHNSON, ALBERT PERCY.. ..	Land and Estate Offices, Wandsworth Common Station, S.W.

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3700	Oct. 1900	*JOHNSON, FREDERICK JOHN ..	1, Fairfax Road, Hertford.
5198	Oct. 1907	*†JOHNSON, HERBERT DAVIES ..	Fairfield Cottage, Great Budwe near Northwich, Cheshire.
5979	Oct. 1910	*†JOHNSON, HERBERT THOMAS ..	c/o D.D.W., Hinaida, Bagd Mesopotamia.
8537	Oct. 1921	*JOHNSON, PERCIVAL LEONARD	1, Sumburgh Road, Clapham nom, S.W.12.
8230	Oct. 1920	*†JOHNSON, ROLAND FINNIS ..	37, Rotherwick Road, Golders G N.W.4 (Middlesex).
8538	Oct. 1921	*†JOHNSON, WILLIAM SPENCER..	Milford Leys, Castlethorpe, Br
6296	Oct. 1911	*JOHNSTON, ROBERT JAMES..	Survey Dept., Maradam Kadam Amirakapura, Ceylon.
7238	Oct. 1913	*†JOLLIFFE, REGINALD	6, Shooter's Hill, Cowes, I. of W.
6128	Oct. 1911	JOLLY, WILLIAM JOHN	St. Audrey's, Thetford, Norfolk
8231	Oct. 1920	*†JONAS, HARRY CARTER	8, Suffolk Street, S.W.1.
1375	Feb. 1887	*JONAS, SAMUEL MARSHALL..	27, Market Hill, Cambridge, and Suffolk Street, Pall Mall East, S.
3703	Oct. 1900	*†JONES, ARTHUR BAYLY	50, Threadneedle Street, E.C.
5705	Oct. 1909	*JONES, ARTHUR DEW.. ..	City Engineer's Office, Town Manchester.
7867	Nov. 1918	*JONES, ARTHUR RYLAND	62, Home Park Road, Wimbler Park, S.W.19 (Surrey).
8539	Oct. 1921	*JONES, BENJAMIN THOMAS ..	Ael-y-Bryn, Vivian Street, Ty town, Glam.
5478	Oct. 1908	*†JONES, CHARLES THOMAS ..	124, St. Albans Avenue, Bedford Chiswick, W. (Middlesex).
4475	Oct. 1903	*†JONES, DAN IVOR	6, Glumar Gate, Chesterfield.
8540	Oct. 1921	*†JONES, ELLIS	23, Priory Street, York.
7240	Oct. 1913	*†JONES, ERNEST HYWEL	65, Newsham Drive, Liverpool.
7241	Oct. 1913	*†JONES, EVAN ROBERT PULESTON	3, Greenfields, Welshpool, M gomeryshire.
6297	Oct. 1911	*JONES, GEORGE	12, High Street North, Dunst Beds.
7242	Oct. 1913	*†JONES, GERALD FRANCIS, O.B.E.	69, Bank Chambers, 329, High born, W.C.1.
8232	Oct. 1920	*JONES, HORACE EDWARD	7, Chatsworth Road, Croydon, Su
8233	Oct. 1920	*§JONES, JOHN THOMAS	Bryn Rhigos, near Aberdare. G
8542	Oct. 1921	*†JONES, MERVYN CAMPBELL ..	Threshers Dean, Headley, Ep Surrey.
7243	Oct. 1913	*JONES, OSCAR WYNNE	Minydon, Pwllheli, N. Wales.
8543	Oct. 1921	*†JONES, OWEN CAMPBELL ..	Skinners' Hall, 9, Dowgate E.C.
8544	Oct. 1921	*JONES, PERCY BEAUMONT ..	86, Station Road, King's No Warwickshire.
8914	Jan. 1922	JONES, REGINALD	1, Windy Nook, Garstang P Fulwood, Preston.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1911	*JONES, RICHARD LEWIS	Penwenallt, Newcastle Emlyn, Carmarthenshire.
Oct. 1912	*JONES, ROBERT JOHN	35, Grove Terrace, Penarth, Cardiff.
Oct. 1912	*JONES, ROLAND THOMAS	Pengwern, College Road, Bangor, N. Wales.
Feb. 1913	*JONES, RONALD KELSEY	166, Oakwood Court, Kensington, W.
Oct. 1915	*JONES, STANLEY WARREN	9, Queen's Avenue, Porthcawl, Glam.
Oct. 1913	*JONES, WALTER	
Oct. 1907	*JONES, WALTER GEORGE	14, Beauval Road, East Dulwich, S.E.
Oct. 1920	*JONES, WILFRED ESMOND	131A, Compton Terrace, Highbury, N.1.
Oct. 1921	*JOSELAND, ARTHUR RICHARD NORMAN	Baveno, Atlantic Road South, Weston-super-Mare.
Oct. 1913	*JOWETT, HENRY SAVILE	Valuation Department, Inland Revenue, Huddersfield.
Oct. 1921	*JOY, GILBERT ALAN	29, Gains Road, Southsea, Hants.
Nov. 1891	*JOYCE, HARRY WARD, B.S.C. ..	Alton Grange, Ashby-de-la-Zouch, Leicestershire.
Oct. 1912	*JOYCE, HORACE FRANCIS	26, Buckingham Gate, S.W.1.
Oct. 1912	*KAY, GEORGE	District Valuer's Office, 28, High West Street, Dorchester
Oct. 1919	*KEASLEY, WILLIAM ERIC	"Homeleigh," Robin Hood Lane, Sutton, Surrey.
Oct. 1904	*KEAY, RALEIGH WILLIAM McLAREN	35, Great James Street, Bedford Row, W.C.1.
Oct. 1902	*KEELE, JOHN DANIEL	Glencairn, Fairview Road, Sutton, Surrey.
Oct. 1912	*KEEN, ARNOLD GREY	Birkdale, Kidderpore Avenue, Hampstead, N.W.
Oct. 1913	*KEEN, ARTHUR AUGER	153, Hamlet Gardens, Ravenscourt Park, N.
Oct. 1901	*KEIGHLEY, SAMUEL	70, Albion Street, Burnley, Lancashire.
Feb. 1913	*KEIGHLEY, SAMUEL, JUN.	Bleak House, Manchester Road, Burnley, Lancs.
Oct. 1911	*KEKEWICH, STANLEY BUCK	27, Bedford Square, Brighton.
Oct. 1901	*KELLEWAY, HERBERT DAVIES ..	20, Hanover Square, W.1.
Oct. 1900	*KELLY, ARTHUR RALPH	108, Finchley Road, N.W.
Oct. 1899	*KELLY, GEORGE WILLIAM CALVER	29, Monnow Street, Monmouth.
Oct. 1907	*KEMP, HARRY GRAEME	Aldringham, Saxmundham, Suffolk.
Oct. 1900	*KEMSLEY, NORMAN BOLTON	Broad Street House, New Broad Street, E.C.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
2970	Oct. 1895	*KEMSLEY, WILLIAM HUGH ..	Broad Street House, New Broad S. E.C., and Woodford Green, Es.
7868	Nov. 1918	*KENDON, DAVID GILDERSLEV	5, Church Street, Kensington, W.
5707	Oct. 1909	*KENNARD, ALFRED JAMES.. ..	33-35, High Street, Croydon.
7869	Nov. 1918	*KENNARD, CECIL.. .. .	Oaklea, Lawrie Park Avenue, Sy ham, S.E.26.
5708	Oct. 1909	*KENNARD, FREDERICK HARRISON	33-35, High Street, Croydon.
2590	Oct. 1893	*KENNETT, CHARLES ARTHUR ..	Neneview, Tansor, nr. Peterboro
4198	Oct. 1903	*KENT, PHILIP, JUN.	1, Station Road, Alresford, Han
7248	Oct. 1913	*KENT, STANLEY HENRY GLAD- STONE	16, Union Road, Clapham, S.
6710	Oct. 1912	*KENYON, HAROLD DUMELLO ..	7, De Grey Street, York.
4199	Oct. 1903	*KER, ARTHUR PRESTON	County Land Agent, 17, Claren Place, Newcastle-upon-Tyne.
1077	Jan. 1884	KERR, ARTHUR HERBERT	The Estate Office, Great Bric Bletchley, Derbyshire.
8547	Oct. 1921	*KEY, THOMAS GARBUTT	Glen Caladh, Upminster, Essex
8235	Oct. 1920	*KEY, WILLIAM DONALD, A.R.I.B.A.	Cardington, Mayfair Gardens, minster, Essex.
3241	Oct. 1897	*KIBBLEWHITE, HENRY JAMES TRELEAVEN	Architect's Department, New Co Hall, S.E.1.
5206	Oct. 1907	*KIFT, GEORGE ANSLEY	25, Nassau Street, Barnes, S (Surrey).
5709	Oct. 1909	*KILFORD, WILLIAM GEORGE ..	Hunts County Council, 68, I Street, Huntingdon.
7250	Oct. 1913	*KILLENDER, HENRY CLAUDE ..	39, Merton Road, Bootle, Liverpo
4979	Oct. 1906	*KINDELL, FRANCIS PERCY.. ..	Council Offices, The Priory, H Barnet, N.11 (Herts).
8054	Oct. 1919	*KING, DUDLEY BERTRAM	42, Earlsfield Road, S.W.18.
3856	Oct. 1901	*KING, FREDERICK AUGUSTUS ..	32, Isledon Road, Finsbury Park,
5980	Oct. 1910	*KING, GILBERT RIGLEY	Town Hall, Twickenham, Middl
5982	Oct. 1910	*KING, HERBERT JAMES	Station Road, Winchmore Hill, (Middlesex).
7251	Oct. 1913	*KING, HERBERT WALTER	60, Loraine Mansions, Widde Road, Holloway, N.7.
4930	Oct. 1906	*KING, JOHN LEONARD.. .. .	c/o Dr. H. D. King, Sudbury, Su
7252	Oct. 1913	*KING, NOEL WARD	53, Talgarth Road, West Kensin W.
1387	Mar. 1887	*KING, WILLIAM ISAAC.. .. .	6, Holborn Viaduct, E.C.1.
5983	Oct. 1910	*KINGSTON, ARCHIBALD LAW- RENCE	County Hall, Truro, Cornwall
4981	Oct. 1906	*KINTON, HAROLD ERNEST.. ..	Stoneleigh, Sheen Lane, East S S.W. (Surrey).
6848	Oct. 1912	*KIRBY, CARL FREDERICK GEORGE	c/o Messrs. Michael Faraday & 77, Chancery Lane, W.C.
7253	Oct. 1913	*KIRBY, WILLIAM AUBREY.. ..	c/o Messrs. Berry Bros. & Bag Market Place, Kettering.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1921	*¶ KIRKWOOD, JAMES STUART ..	4, Stanford Road, Norbury, S.W.16. (Surrey).
Nov. 1918	* KIRSOPP-REED, WILLIAM HENRY	Old Town, Otterburn, Northum- berland.
Oct. 1921	* KITCHING, HUBERT VAUX ..	Hanmer, Whitechurch, Salop.
Oct. 1909	*¶ K NAPMAN, HARRY LETHBRIDGE	2, West Place, Albany Road, Fal- mouth, Cornwall.
Oct. 1920	* KNAPP, ROBERT ELI	Kineton, Warwickshire.
Oct. 1912	* KNEWSTUBB, ALFRED.. ..	Long Marton, Carlisle.
Oct. 1910	* KNIGHT, CHARLES WILLIAM,.. CAPT., R.E.	Superintending Engineer's Office, B.B. & C.I. Railway, Bombay, India.
Oct. 1908	* KNIGHT, ROBERT MALTMAN ..	66, Wickham Road, Brockley, S.E.
Oct. 1912	* KNOWLES, THOMAS EDWARD BUTLER	Valuation Office, Howard Place, Hanley, Staffs.
Oct. 1921	*¶ KUPHAL, FRANCIS WILLIAM	15, Russell Road, Hall Green, Bir- mingham.
Oct. 1906	* LADD, WALTER WILLOUGHBY ..	9, Spring Gardens, Charing Cross, S.W.
Oct. 1906	* LAIRD, JOHN.. .. .	High Street, Marlow, Bucks.
Oct. 1913	* LAIRD, WALTER ROSS.. ..	13, Berlin Road, Catford, S.E.
Nov. 1918	* § LAKER, WILLIAM JOHN ..	6, Kelmscott Road, Wandsworth Common, S.W.11.
Oct. 1911	* LAMB, CHARLES ALFRED	189, The Grove, Hammersmith, W.
Oct. 1921	*¶ LAMBERTH, FRANK	29, Ivy Road, Cricklewood, N.W.2. (Middlesex).
Oct. 1904	* LAMBLE, WILLIAM HERBERT ..	1, Broad Street Buildings, Liverpool Street, E.C.2.
Oct. 1895	*¶ LAMPRILL, WILLIAM THOMAS ..	15, Carey Mansions, Vincent Square, S.W.1.
Oct. 1920	* LANE, ALFRED	34, High Street, High Wycombe.
Oct. 1921	* LANE, EDMUND ARTHUR ..	17, Arlington Road, Surbiton, Surrey.
Feb. 1913	*¶ LANE, FRANK DONOVAN ..	2, Church Street, Christchurch, Hants.
Oct. 1910	*¶ LANE, FREDERICK CHARLES ..	3, Fulham Park Gardens, S.W.6.
Oct. 1920	*¶ LANE, NATHANIEL MONTAGUE	The Firs, Sutton-in-Ashfield, Notts.
Oct. 1920	*¶ LANGDON, HORACE WILLIAM..	New Court Chambers, 57 and 58, Chancery Lane, W.C.2.
Oct. 1909	*¶ LANGFORD, DOUGLAS CHARLES	Millway, Mill Hill, N.W.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6743	Oct. 1912	*LANGLANDS, CHARLES JOHN LAWRENCE	Hazon House, Epsom, Surrey.
8553	Oct. 1921	*||LANGLANDS, JAMES HENDRY ..	31, Murraygate, Dundee.
1969	Jan. 1891	*LANDDOWN, GEORGE ARTHUR, F.R.I.B.A.	9, Regent Street, Waterloo Place,
3051	Mar. 1891	*LARKIN, RICHARD WEBSTER ..	8 and 9, Great Newport Street, Martin's Lane, W.C.
8554	Oct. 1921	*||LARRETT, STANLEY ARTHUR ..	P.W.D., Lagos, Nigeria, E. Af.
4987	Oct. 1906	*||LAVINGTON, THOMAS HENRY RUSS	
8555	Oct. 1921	*||LAWES, EDGAR	136, Annandale Road, Greenw S.E.10.
8556	Oct. 1921	*||LAWESON, RAY CARLON ..	32, Putney Park Lane, Put S.W.15.
3709	Oct. 1900	*||LAWLEY, GEORGE FRANK ..	38, Willoughby Lane, Tottenh N.17.
7872	Nov. 1918	*||§LAWRANCE, DAVID MALCOLM ..	55, Parkhurst Road, Holloway, M
6306	Oct. 1911	*LAWRENCE, CHARLES WILLIAM JOHNSON	The Elms, Rushington, Sleaf Lines.
6307	Oct. 1911	*LAWTON, ROBERT ALLISON ..	37, Rectory Road, nr. Crump Manchester.
8240	Oct. 1920	*LAWTON, WILLIAM	Rainbow Road, Hurdsfield, Mac field, Cheshire.
8557	Oct. 1921	*||LEACH, STANLEY HUGH ..	Bridge House, Burrows Road, Skewen, Neath, Glam.
8558	Oct. 1921	*LEACH, WILLIAM AUSTIN ..	182, Brownhill Road, Catford, S
4988	Oct. 1906	*||LEAH, WILLIAM	Elton Villa, Hucclecote, Glouceste
7873	Nov. 1918	*LEATHERDALE, FRANCIS HAROLD	13, Lyndhurst Road, Thornton H Surrey.
7258	Oct. 1913	*LEDGARD, JOHN BROOKE ..	The Manor House, Thorner, Leeds
5574	Feb. 1909	*LEE, ALFRED FREDERICK ..	15, High Street, High Wyc Bucks.
8241	Oct. 1920	*||LEE, FRANK	"Sherwood House," Little Barn Mansfield, Notts.
5489	Oct. 1908	*||LEE, LESLIE HERBERT ..	22, High Street, Ashford, Kent.
5990	Oct. 1910	*||LEE, NORMAN ALFRED ..	
7969	Oct. 1913	*§LEEDHAM, MORRIS	25, The Crescent, Hipperholme, Halifax, Yorkshire.
8559	Oct. 1921	*LEES, GEORGE	25, Radcliffe Street, Oldham, L
4022	Oct. 1902	*LEES, RANDLE BURLAM ..	Woodside, Bradford-on-Avon, Wil
8560	Oct. 1921	*||LEFEAUX, RAYMOND LANG- HAM	
6744	Oct. 1912	*||LEGG, KENNETH BOLTON ..	21, London Road, Leicester. Estate Office, L.B. and S.C. Rai London Bridge, S.E.
6745	Oct. 1912	*||LE GRAND, CECIL WREN ..	North House, Putney Hill, S.W.
3770	Feb. 1901	*LEIGH, VINCENT STANLEY ..	Palmeira House, Palmeira Gar Westcliff-on-Sea.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1913	*¶LEONARD, EUGENE	6, Day Place, Tralee, Ireland.
Oct. 1911	*¶LESLIE-CARTER, WILLIAM CASS	128, Goswell Road, E.C.1.
Oct. 1921	*¶§LE SUEUR, ARTHUR DENIS CARRINGTON	c/o H. J. Wigram & Co., Old Bank House, Irongate, Derby.
Jan. 1891	*LEWIS, ARTHUR LLEWELYN ..	77, Station Road, Sidcup, and 19-20, Walbrook, E.C.
Oct. 1912	*LEWIS, HUGH FRANCIS	Greenfield, Marlow Road, Maidenhead, Berks.
Oct. 1919	*¶LEWIS, ORPHEUS WILLIAM HENRY, CAPT., M.B.E.	c/o Messrs. B. L. Wells, Manor Street, Hull.
Oct. 1920	*¶LEWIS, SIDNEY FORD	14, Grey Street, Middleton, Lancs.
Oct. 1913	*LICKELY, ALEXANDER	12, Perth Road, Dundee.
Oct. 1899	*¶LICKIS, LEONARD.. .. .	7, Eardley Road, Streatham, S.W.
Oct. 1910	*LIDDELL, JOHN GEORGE WALTON	Chesters Estate Office, Humshaugh, Northumberland.
Oct. 1920	*¶LIELL, KINGSLEY	Rusthall, Plough Lane, Purley, Surrey.
Oct. 1911	*LILBURN, HARRY KENT	Dunedin, Antrim Road, Belfast.
Oct. 1920	*¶LILL, ARTHUR	South View, High Holme Road, Louth, Lincs.
Oct. 1921	*¶LILLEY, JOHN LESLIE	Stebonheath, First Avenue, West-cliff-on-Sea, Essex.
Oct. 1911	*¶LINE, FREDERICK JAMES	Valuation Office, Inland Revenue, Shoot-up Hill, Brondesbury, N.W.
Oct. 1904	*¶LINE, HENRY WILLIAM	30, Orchard Road, St. Margaret's, East Twickenham.
Oct. 1911	*¶LING, RICHARD BERTRAM, A.R.I.B.A.	13, Hillcrest Road, Sydenham, S.E.26.
Oct. 1920	*LISSAMAN, ARTHUR EVELYN ..	c/o Land Agency Office, P.W.D., Albert Road, Hong Kong.
Oct. 1908	*LISTER, ERNEST EDWARD.. ..	28, Wellesley Road, Ilford, Essex.
Nov. 1918	*LISTER, SIDNEY ALBERT	50, Broomwood Road, Wandsworth Common, S.W.
Feb. 1914	*LISTER-KAYE, CHARLES	Church Farm, Horne, nr. Horley, Surrey.
Nov. 1892	*LITTLE, HENRY	Eldon Street House, E.C.2.
Oct. 1900	*LIVING, CHARLES, JUN.	75, The Grove, Stratford, E. (Essex).
Oct. 1919	*LIVINGSTON, WILLIAM	District Engineer, Toco, Trinidad, B.W.I.
Oct. 1913	*LLOYD, CYRIL HERBERT POWELL	45, Merthyrmaur Road, Bridgend, Glamorganshire.
Oct. 1911	*¶LLOYD, FRANK HUMPHREYS ..	Mansion House, 24, Severn Street, Welshpool.
Oct. 1907	*¶LLOYD, SYDNEY HAMILTON ..	19A, The Pavement, Seven Kings, Essex.

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4991	Oct. 1906	*¶ LOADES, FRANK CHARLES.. ..	Borough Engineer's Office, South Lancs.
4971	Feb. 1913	*¶ LOCHHEAD, ARTHUR SYDNEY ..	30, Kestrel Avenue, Herne Hill, S.
5718	Oct. 1909	*¶ LOCK, CHARLES	67, Duke Street, Chelmsford.
7877	Nov. 1918	*¶ LOCKWOOD, GEOFFREY OWEN, MAJOR, M.C.	Deputy County Surveyor, Co. Hall, Wakefield.
8563	Oct. 1921	*¶ LODGE, ARTHUR FRANK ..	93, Fairbridge Road, Upper H way, N.19.
5496	Oct. 1908	*¶ LOE, SYDNEY JOHN	The Cottage, Beaconsfield R Buckley, Kent.
8057	Oct. 1919	* LOGAN, MICHAEL LOAM	47, Ennerdale Road, Richmond
7267	Oct. 1913	* LOGSDON, HORACE STEWART ..	49 and 50, Parliament Street, S.
6753	Oct. 1912	* LONE, R. WILCOX, A.R.I.B.A.	12, Fuller's Avenue, Woodford G Essex.
6313	Oct. 1911	* LONG, ALFRED CHARLES.. ..	Town Hall, Camberwell, S.E.
7263	Oct. 1913	* LONGBOTTOM, HAROLD	Council Offices, Petersfield, Hants
8246	Oct. 1920	* LONGLEY, ARTHUR DOUGLAS	" Hillside," The Avenue, Becken Kent.
4746	Oct. 1905	* LORAM, JOHN ANNING ..	Government Ordnance Survey O Colombo, Ceylon.
5498	Oct. 1908	* LORIMER, GORDON	Via-y-Obras, Ferro Carril del Buenos Aires, S. America.
8247	Oct. 1920	*¶ LOUDOUN, ERIC GILMOUR ..	35, Camphill Avenue, Langs Glasgow.
3861	Oct. 1901	* LOVE, JAMES BARR	Knowes, Lochwinnoch, Renfrews
7269	Oct. 1913	* LOVEGROVE, EDWARD TYLER ..	" Stoneleigh," Burton Hill, M Mowbray, Leicestershire.
8248	Oct. 1920	* § LOVELL, GEORGE RAYMOND	68, Albert Street, Mornington cent, N.W.1.
3862	Oct. 1907	*¶ LOVELUCK, EDWARD	33, Park Street, Bridgend, Glamo shire.
7878	Nov. 1918	* LOWDEN, DAVID, JUN.	Rangemore, Burton-on-Trent.
8564	Oct. 1921	*¶ LOWE, GEORGE HURST ARMERIN	Glebelands, Claygate, Surrey.
8565	Oct. 1921	*¶ LOWE, HENRY EDWARD ..	2, Melrose Road, Barnes, S.W. (Surrey).
7879	Nov. 1918	*¶ LOWE, JOHN	66, Swinley Road, Wigan, La
8566	Oct. 1921	*¶ LOWE, ROBERT EDWARD NICHOLLS	Oficina Vias-y-obras F.C.S., Guanahani, 322, Buenos Aire
5993	Oct. 1910	* LOWICK, HENRY CAPELL	Public Works Department, Hong
489	May 1877	LUCAS, JOSEPH	22, East Ascent, St. Leonards-on-
3022	Jan. 1896	* LUCK, GEORGE EDWARD	Estate Office, Crouch End Statio (Middlesex).
7272	Oct. 1913	* LUKEY, GEORGE EDWARD	293, Holmesdale Road, S.E.25 (Su
3400	Oct. 1898	* LUMLEY, FREDERICK ROBERT ..	Mamhead Park, Exeter.
4023	Oct. 1862	* LUNN, ALGERNON PERCY	Wentbridge, Pontefract, Yorkshi

Date Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1911	*LUTON, ALBERT GORDON	14, Forest Lane, Stratford, E.15 (Essex).
Oct. 1905	*LYNE, HARRY	Miramar, Tregolls Road, Truro, Corn- wall.
Oct. 1894	*LYONS, EDWARD COLVILL.. ..	Estate Office, Rugeley, Staffordshire.
Oct. 1912	*¶MCBAIN, JOHN	463, Clarkston Road, Cathcart, Glas- gow.
Oct. 1909	*¶MCALLUM, DANIEL	325, Byres Road, Glasgow.
Apr. 1884	MCALLUM, PETER SERVICE	Holy Bush House, Osmaston Road, Derby.
Oct. 1911	*McCANN, FELIX CHARLES.. ..	2, Howard Street, Belfast.
Oct. 1912	*McCREDIE, HUGH	c/o J. Banter, Esq., 243, St. Vincent Street, Glasgow.
Nov. 1918	*McDOUGALL-PORTER, THOMAS WILLIAM, M.C., N.D.A.	The Red Cottage, Platt, Borough Green, Kent.
Oct. 1903	*MACE, CHARLES MARRINER	106, Ellerton Road, Tolworth, Surbiton, Surrey.
Oct. 1893	*MACER, ALFRED THOMAS	1, Windsor Road, East Worthing, Sussex.
Oct. 1913	*MACFARLANE, ANDREW	13, Dudley Drive, Hyndlands, Glas- gow.
Nov. 1918	*McFIE, BERNARD JOHN STEWART	7, Southwood Road, Oxford.
Oct. 1901	*McGAW, ANDREW KIDD	Van Diemen's Land Company, Burnie, Tasmania.
Oct. 1913	*MACGREGOR, PETER GRANT	Maeshowe, Sandyhills, Shettleston, Glasgow.
Oct. 1909	*MACHATTIE, JOHN MACINTOSH..	Architect's Dept., L.C.C., New County Hall, S.E.1.
Oct. 1913	*MACKAY, WILLIAM	75, Oak Road, Crumpsall, Manchester.
Feb. 1898	*MACKENZIE, HECTOR JOHN MAX- WELL	12, De Vere Gardens, Kensington, W.8.
Oct. 1921	*¶MACKENZIE, WILLIAM FAL- CONER	West Dean, Chichester.
Oct. 1920	*MACKERETH, WILLIAM MOORE	The Garth, Pennybridge, near Ulverston, Lancs.
Oct. 1904	*¶McKERROW, JAMES WEIR, A.M.I.C.E.	Corporation Waterworks, Town Hall, North Shields, Northumberland.
Oct. 1908	*¶MACKINNON, ALEXANDER DENT OSWALD	The White House, St. Austell, Corn- wall.

Dip.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3712	Oct. 1900	*MACKINTOSH, WILLIAM SMITH ..	Baileymawr, Penybont, Radnors
8250	Oct. 1920	*MACKMIN, HENRY AUGUSTUS	"Glenlynn," Beulah Road Thornton Heath (Surrey).
7881	Nov. 1918	*McLACHLAN, DUNCAN	614, Pollokshaws Road, Strathb Glasgow.
6318	Oct. 1911	*McLAREN, HENRY	9, Woodlands Crescent, Falkirk.
6319	Oct. 1911	*MACLAY, CHARLES	267, Crow Road, Partick, Glasg
8251	Oct. 1920	*McLEARN, SEPTIMUS OSWIN	352, Foxhall Road, Ipswich.
8252	Oct. 1920	*MACMAHON, JOHN FRANCIS ..	7, Grange Road, Lewes.
8568	Oct. 1921	*McMAHON, WILLIAM PATRICK	Clyde House, Richmond, York
7278	Oct. 1913	*McMILLAN, WILLIAM ALEXANDER	8, St. George's Road, Newton-on-
7884	Nov. 1918	*McNICOL, JOHN, A.R.I.B.A. ..	City Surveyor's Office, Town Chester.
8253	Oct. 1920	*MACQUEEN, MONTAGUE MORDAUNT	9, Kirkwood Street, Ibrox, Gla
6758	Oct. 1912	*MACRAE, CHARLES	3, Station Road, Ormskirk, Lanc
4994	Oct. 1906	*McSHEEHY, JOHN EDWARD GERARD	7, Montana Road, Wimbledo S.W.19 (Surrey).
7885	Nov. 1918	*McVICAR, CHARLES MORRISON GUTHRIE	3, Coronation Terrace, Truro, wall.
8254	Oct. 1920	*McWILLIAM, ALEXANDER ..	"Viewhill," Dovecot Road, Co phine, Midlothian.
5217	Oct. 1907	*McWILLIAM, JOHN ALEXANDER	115, Hanover Street, Edinburgh 33, Kirkhill Road, Edinburgh.
8255	Oct. 1920	*MADGE, REGINALD JOHN ..	Estates of Baron de Forest, F Brno. Czecho-Slovakia.
3627	Feb. 1900	*MAGER, SYDNEY, C.B.E.	10, Whitehall Place, S.W.1.
8058	Oct. 1919	*MAHONY, JAMES BURKE	Gayton House, Heigham Grove wich.
5995	Oct. 1900	*MAIDES, PERCY THOMAS	"Homestead," Morland Road, Cr
6760	Oct. 1912	*MAILE, SYDNEY HERBERT.. ..	34, Heath Hurst Road, Hamp N.W.
5722	Oct. 1909	*MAIR, WILLIAM FRASER	65, Norwood Road, Stretford, chester.
7605	Oct. 1915	*MALLET, ROY TERENCE	27, Nightingale Place, Woolwich
3109	Oct. 1896	*MALLINSON, CHARLES HERBERT	Market Place, Huddersfield, Yor
6321	Oct. 1911	*MAMMATT, GERALD ARTHUR ..	Priorfield, Ashby-le-da-Zouch, I tershire.
7886	Nov. 1918	*MANFIELD, JOHN HENRY	12, Fairfield Road, Crouch End, (Middlesex).
6761	Oct. 1912	*MANGAN, WILFRID CLARENCE ..	18, Guildhall Street, Preston, La
4753	Oct. 1905	*MANN, ALFRED HENRY	Cairncroft, Dovercourt Road, Dulwich, S.E.
8569	Oct. 1921	*MANN, DUDLEY SEPTIMUS ..	133, Old Dover Road, Black S.E.3.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1894	*MANN, FREDERICK CHARLES THOMAS	Woking, Surrey.
Oct. 1912	*MANN, HENRY	68, Bridge Road, East Molesey, Surrey.
Oct. 1920	*MANN, PERCY	Dalmeny, Lauradale Road, Fortis Green, N. (Middlesex).
Oct. 1920	*MANSON, THOMAS BEATON ..	12, Regent Park Terrace, Strath- bungo, Glasgow.
Oct. 1913	*MANTON, GEOFFREY CHARLES ..	Maisonette, Church End Road, Yard- ley, near Birmingham.
Oct. 1921	*MAPLESDEN, JAMES WILLIAM ..	5, Middle Row, East Grinstead, Sussex.
Oct. 1898	*MARCUS, WILLIAM MORTIMER ..	29, New Bridge Street, E.C.4.
Oct. 1920	*MARFELL, JAMES HENRY ..	Norwood House, Usk, Mon.
Oct. 1913	*MARKS, JOHN BARKLY ..	The Rhedan, Farnham, Surrey.
Oct. 1902	*MARKS, THOMAS EDWARD ..	30, Wimborne Gardens, Ealing, W.13.
Oct. 1918	*MARNs, ALBERT HENRY	151, Turners Road, Burdett Road, E.
Oct. 1901	*MARRIAN, HAROLD GREENWOOD, A.M.I.C.E.	64, St. Mary's Road, Manningham, Bradford.
Jan. 1922	MARRIOTT, R. A.	2, The Villas, Norton Road, Uxbridge.
Oct. 1912	*MARRIOTT, WILLIAM MASON ..	The Manor School, Fermoy, Co. Cork.
Oct. 1912	*MARSDEN, HORACE JOHN ..	32, Shaftesbury Road, Ravenscourt Park, W.6.
Oct. 1912	*MARSH, ERNEST GEORGE ..	91, High Street, Notting Hill Gate, W.11.
Oct. 1902	*MARSHALL, GEORGE ERNEST ..	76, Airedale Road, Wadsley, Sheffield.
Oct. 1921	*MARSHALL, JOHN	39, The Terrace, Prudhoe-on-Tyne, Northumberland.
Oct. 1921	*MARSHALL, THOMAS ALFRED ..	26, Park Road, Chiswick, W.4 (Mid- dlesex).
Oct. 1910	*MARSHALL, TOM OWEN	Estate Office, Midland Railway, Derby.
Feb. 1913	*MARSHALL, WALTER KINSMAN ..	Radbourne Estate Office, near Derby.
Oct. 1909	*MARSHALL, WILLIAM THOMAS, M.A. (Oxon.)	Thorn Tree, Matlock.
Oct. 1921	*MARSLAND, TOM	The Heathers, Disley, nr. Stock- port.
Oct. 1920	*MARSTON, HORACE ARTHUR ..	Surveyor's Dept., Walden & Combe U.D.C., New Malden, Surrey.
Oct. 1896	*MARTIN, ALEXANDER WILLIAM ..	The Laurels, Marden Road, South Tottenham, N. (Middlesex).
Oct. 1920	*MARTIN, ALFRED GUY TRICE ..	County Hall, March, Cambs.
Nov. 1918	*MARTIN, DAVID BURN	Kern River Oilfields Co., Ltd., 44, St. Vincent Street, San Fernando, Trinidad.
Oct. 1907	*MARTIN, FREDERICK MARK ..	District Valuer's Office, 1, Bury Street, Guildford.

D p. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
4997	Oct. 1906	*MARTIN, MORITZ RICHARD ..	394B, Richmond Road, Twickenham, Middlesex.
7283	Oct. 1913	*MARTIN, WALTER RIDDELL ..	Roebuck Grove, Clonshea, Dublin.
4998	Oct. 1906	*MASLEN, THOMAS PATRICK VINCENT	Valuation Office, 111-113, Great Portland Street, W.
4471	Oct. 1904	*MASON, FRANCIS SCOTT ..	1052 Amphion Street, Victoria, British Columbia.
7607	Oct. 1915	*MATHEW, ROBERT CHARLES ..	River View, Marlow, Bucks.
5220	Oct. 1907	*MATTHEWS, DOUGLAS PERCIVAL	Valuer's Office, Barclay Bank Chambers, Princess Square, Plymouth.
7284	Oct. 1913	*MATTICK, HERBERT ..	P.W.D. Stores, Oakes Road, N. Margil, Basrah, Mesopotamia.
2533	Nov. 1892	*+MAUGHAN, JOHN (<i>Professional Associate of Council</i>)	Estate Office, Jervaulx Abbey, Mickleham, S.O., Yorks.
4030	Oct. 1902	*+MAW, PERCIVAL TRENTHAM ..	Stricklands, Robertsbridge, nr. T. bridge Wells.
6322	Oct. 1911	*MAXWELL, HERBERT WILLIAM ..	2, Lewisham Road, Highgate Road, N.W.5.
5727	Oct. 1909	*MAY, CYRIL ERNEST, CAPT. ..	Sub-Commissioner, Ministry of Agriculture, 2, George Street, Oxford.
7285	Oct. 1913	*MAY, FRANK SIDNEY EDWARD ..	39, Christchurch Road, Streatham, S.W.
8261	Oct. 1920	*MAYHEW, HARRY BENJAMIN	5, Margetts Road, Newtown, Kingston, Beds.
6323	Oct. 1911	*MAYHEW, WILLIAM JOSEPH GEORGE ..	197, Kingston Road, Ilford, Essex.
6772	Oct. 1912	*MAYNARD, CHARLES EDWARD ..	Cannock R.D.C. Surveyor's Office, Penkridge, Stafford.
7888	Nov. 1918	*MAYNARD, JOHN EDWARD ..	1, Collington Avenue, Bexhill-on-Sea, Sussex.
6002	Oct. 1910	*MAYNE, ARTHUR JOHN ..	West Hendford House, Yeovil, Somerset.
3403	Oct. 1895	*MEACHER, SYDNEY GEORGE ..	Marlee, near Blairgowrie, Perthshire.
7889	Nov. 1918	*MEARNS, PETER ..	c/o Miss Dunn, 4, Whirlbutt Street, Dunfermline.
6003	Oct. 1910	*MEARS, JOHN ARTHUR ..	
2597	Oct. 1893	*MELLOR, JAMES FREDERICK ..	110, St. James's Street, Brighton.
4473	Oct. 1904	*MELLOR, JOHN FRANCIS SHAW ..	The Cottage, Brodsworth, Doncaster, Yorks.
5506	Oct. 1908	*MELLOWS, FREDERICK WILLIAM	7, Northumberland Square, Newcastle, Shields, Northumberland.
6325	Oct. 1911	*MELVILLE, HENRY DUNCAN ..	71, Coniston Road, Edinburgh.
7287	Oct. 1913	*MENNIE, FREDERICK EDWARD A.R.I.B.A. ..	214, Bishopsgate, E.C.2.
8574	Oct. 1921	*MENZIES, JAMES WILSON GOURLAY	c/o Sinclair, 333, Albert Road, Leith, side, Glasgow.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Nov. 1918	*MENZIES, RONALD VICTOR.. ..	Golspie, Englefield Green, Surrey.
Oct. 1910	*MENZIES, WILLIAM KENNETH ..	
Oct. 1899	*MEREDITH, PERCY WILLIAM ..	11, Rochester Row, S.W.1.
Oct. 1920	*MERRETT, ARTHUR SAYWELL	25, Great James Street, Bedford Row, W.C.1.
Apr. 1884	MERRETT, JAMES.. .. .	5, Great College Street, Westminster Abbey, S.W.
Oct. 1911	*MERRINGTON, FREDERICK ARTHUR	22, Clifton Gardens, Golder's Green, N.W.4 (Middlesex).
Nov. 1892	*MEW, ROBERT HEATH.. ..	Dudley House, Ladbroke Road, Redhill, Surrey.
Oct. 1919	*MEYSEY-THOMPSON, ALGAR DE C. C.	5, Lower Grosvenor Place, S.W.
Nov. 1918	*MIDDLETON, ALAN EDWIN, CAPT.	47, The Parade, Leamington Spa.
Oct. 1921	*MIDDLETON, CECIL BERNARD..	Rosemount, Honiton, Devon.
Nov. 1918	*MIDDLETON, HUMFREY	28, St. Margaret's Street, Canterbury.
Nov. 1918	*MIDDLETON, JOHN ELLIS	23, Clifton Street, Blackpool, Lancs.
Oct. 1913	*MILBURN, WILLIAM, JUN.	8, Thornhill Park, Sunderland, Durham.
Oct. 1912	*MILES, HANNAM EDWARD	Slades, East Knoyle, Salisbury.
Oct. 1919	*MILES, OWEN	10, Regent Street, Great Yarmouth.
Oct. 1921	*MILES, WALTER EDWARD	10, Stanhope Gardens, Haringay, N.4 (Middlesex).
Oct. 1913	*MILLAR, GEORGE	Engineer's Office, G. & S.W. Railway, Glasgow.
Oct. 1906	*MILLAR, PETER	Borough Engineer's Office, Southampton.
Oct. 1920	*MILLEN, GEORGE ROBERT MENELAUS	139A, High Road, Tottenham, N.15 (Middlesex).
Oct. 1913	*MILLER, ARTHUR WILLIAM ..	10, Princes Road, Northfields, Southampton.
Oct. 1904	*MILLER, FRED	53, Eltisley Avenue, Newnham, Cambridge.
Oct. 1894	*MILLER, FREDERICK WILLIAM ..	"Newholme," Thornlaw Road, West Norwood, S.E.
Oct. 1911	*MILLER, THOMAS HARTLEY ..	Worsthorne Estate Office, Todmorden Road, Burnley, Lancs.
Oct. 1912	*MILLS, ARTHUR CORFE	c/o Mrs. Percy Austin, Petworth, Sussex.
Oct. 1909	*MILLS, BASIL RUPERT	22, St. George's Square, Regent's Park, N.W.1.
Oct. 1913	*MILLS, HENRY GRAHAM HUNT ..	New County Hall, S.E.1.
Oct. 1908	*MILLS, ROBERT HENRY	Frith Manor, Mill Hill, N.W.7. (Middlesex).
Nov. 1918	*MILLYARD, GEORGE, CAPT. ..	Littlebridge, Bromyard.
Oct. 1903	*MILNE, WILLIAM EDWARD STREATFEILD	Easton Fruit Farm, Easton, Wickham Market, Suffolk.
Feb. 1882	MILNES, ROBERT.. .. .	City Surveyor's Office, Guildhall, E.C.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7293	Oct. 1913	*MILTON, FREDERICK	79, High Street, Wealdstone, Midd.
7895	Nov. 1918	*MINIFIE, WILLIAM, JUN.	Wootton, Bridgnorth, Salop.
4214	Oct. 1903	*MINORS, ERNEST. B.SC. (Lond.), A.M.I.C.E.	Borough Surveyor's Office, Town Darlington.
3870	Oct. 1901	*MITCHELL, HERBERT ARTHUR ..	Commonwealth Naval Dock Cockatoo Island, Sydney, N.S.W.
8061	Oct. 1919	*MITCHELL, JOHN RICHARD DANIEL	77, Abbey Street, Derby.
8264	Oct. 1920	*MITCHELL, WILLIAM	2, Robert Street, Adelphi, W.C.
5751	Oct. 1909	*MITCHELL, WILLIAM CHALMERS	Henham Estate Office, Wang Suffolk.
3574	Oct. 1899	*MOAT, ERNEST WILLIAM	Portland Cottage, Frant Road, bridge Wells.
8577	Oct. 1921	*MOLONY, WILLINGTON	38, Waterloo Road, Dublin.
3494	Feb. 1899	*MOLYNEUX, FRANK EUSTACE ..	Lingfield, Smitham Bottom Purley, Surrey.
8285	Oct. 1920	*MONARD, STANLEY HOPKIRK	10, Donegal Street, Belfast.
7204	Oct. 1913	*MONEY, ALEXANDER WALKER	The Neuk, Clarkston, Glasgow.
8266	Oct. 1920	*MONTGOMERY, CECIL VINCENT	43, Upper Beechwood Avenue, F lagh, Dublin.
5003	Oct. 1906	*MONTGOMERY, GEORGE	24, Montpelier Road, East Finch (Middlesex).
8578	Oct. 1921	*MOODY, FRANCIS TYRELL	36, Wyke Gardens, Stockwell, S
5508	Oct. 1908	*MOODY, HERBERT LINE	42, Fitzroy Street, W.I.
7608	Oct. 1915	*MOODY, WALTER NORRIS	37, Eastcombe Avenue, Charlton, S
6330	Oct. 1911	*MOODY, WALTER RICHARD	Newark House, 9, Inglis Ro Folkestone, Kent.
6331	Oct. 1911	*MOON, HENRY ALFRED, A.R.I.B.A.	1, Melbourne Road, Merton Park, (Surrey).
3050	June 1896	*MOORE, HUGH ARMYTAGE	Rowallane, Saintfield, Co. Down.
8579	Oct. 1921	*MOORE, JOHN ALFRED	25, Neville Road, Stoke Newin N.16.
4218	Oct. 1903	*MOORE, RICHARD CHARLES	72, Amhurst Park, Stamford N.16.
5732	Oct. 1909	*MORE, JOHN NOVIS	Crown Lodge, Harlech, North Wa
8580	Oct. 1921	*MORGAN, ALFRED	Parkside, Whickham, nr. Newc on-Tyne.
8581	Oct. 1921	*MORGAN, DAVID	12, High Street, Treorchy, G
4779	Oct. 1912	*MORGAN, DAVID EDGAR	Glyn Tawe, Vicarage Road, Mor Glam.
5223	Oct. 1907	*MORGAN, ERNEST WILLIAM	26, Dover Street, W.
4759	Oct. 1905	*MORGAN, HERBERT WOOSNAM	7, Belgrave Road, S.W.1.
5733	Oct. 1909	*MORGAN, IFOR JOHN	Townsend, Ilminster, Somerset
7896	Nov. 1918	*MORGAN, IVOR WALTER	1, Wellington Place, Brecon, S. V
8267	Oct. 1920	*MORGAN, WILFRED WYNTER	Church End, Slymbridge, nr. S house, Glos.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Nov. 1918	*MORGAN, WILLIAM NOEL	Maesydderwen, Mountain Ash, Glam.
Oct. 1920	*MORGAN, WILLIAM THOMAS	Town Hall, Southall, Middlesex.
Oct. 1921	*MORHAM, KENNETH NOBLE	17, Mansion House Road, Edinburgh.
Oct. 1920	*MORLEY, EDWIN LAURANCE	47, Upper Walthamstow Road, E.17 (Essex).
Oct. 1913	*MORLEY, RICHARD	8, Oakdale Road, Sheffield, Yorks.
Oct. 1909	*MORRIS, ALEXANDER GEORGE	67 & 68, Cheapside, E.C.2.
Feb. 1915	*MORRIS, ELLIS	67 & 68, Cheapside, E.C.2.
Oct. 1913	*MORRIS, HENRY ROWLAND	Small Holdings Dept., Shire Hall, Nottingham.
Oct. 1912	*MORRIS, HUBERT LLOYD	4, Howard Street, Sheffield.
Feb. 1894	*MORRISON, DANIEL	41, John Dalton Street, Manchester.
Oct. 1910	*MORRISON, JOHN BAXTER	Airlie Estate Office, Cortachy, Kiri-riemuir.
Oct. 1912	*MORRISON, NORMAN THOMAS	City Architect's Office, 91, Commercial Street, Dundee.
Feb. 1903	*MORSE, DUDLEY WALTER	Kirtlington, Oxford.
Oct. 1910	*MORTON, THOMAS CHALMERS	5, Cross Street, Manchester.
Oct. 1913	*MORTON, WILLIAM PERCY	61, Hunter Road, Southsea.
Nov. 1918	*MORWOOD, ARTHUR	Engineer's and Surveyor's Dept., Town Hall, Eastbourne.
Oct. 1921	*MOSELEY, LEONARD	2, Rhiw Bank Terrace, Colwyn Bay, N. Wales.
Nov. 1916	*MOSS, SIDNEY ROBERT	28, Ashlin Grove, Lincoln.
Oct. 1912	*MOWBRAY, CLYDE BERNARD	4, South Prospect, Swansea.
Oct. 1921	*MUGGLESTONE, CYRIL	17, Portland Street, Pleasley Hill, Mansfield.
Oct. 1913	*MUIR, ANDREW, JUN.	14, Woodburn Road, Newlands, Glasgow.
Oct. 1898	*MULLETT, HENRY THOMAS	36, St. Alban's Crescent, Woodford, Essex.
Oct. 1909	*MUMFORD, FRANK SEPTIMUS	10A, South Villas, Camden Square, N.W.
Oct. 1913	*MURLAND, JAMES GERALD	Badby House, Daventry, Northants.
Oct. 1907	*MURRAY, ARTHUR MALCOLM	Doric Villa, Dukes Avenue, New Malden, Surrey, and H.M. Office of Works, King Charles Street, S.W.
Oct. 1913	*MURRAY, LAWRENCE JOSEPH	c/o Superintending Valuer, Victoria Road, Great Malvern.
Oct. 1908	*MURRAY, PENRY JOHN, CAPT., B.A. (Cantab.)	Cefn Park, Brecon, South Wales.
Oct. 1920	*MURRELL, GEORGE HERBERT JAMES	St. Mary's House, Quarry Street, Guildford.
Oct. 1902	*MURTOUGH, JOSEPH	c/o Messrs. Young & White, North End, Portsmouth.
Oct. 1914	*MUSGRAVE, HAROLD	c/o J. Birkett & Son, Land Agents, Penrith.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6784	Oct. 1912	*MUSGRAVE, THOMAS HAROLD ..	6, Albion Street, Hull.
8271	Oct. 1920	*MYHILL, FREDERICK ROBERT	64, Dornton Road, Bedford Balham, S.W.12.
4012	Oct. 1910	*NASH, EUGÈNE FLEETWOOD ..	Gold Coast Railway Survey, Seko W. Africa.
7305	Oct. 1913	*NAYLOR, WILLIAM ANDERTON ..	45, Hornby Road, Blackpool, Lan.
6785	Oct. 1912	*NEAL, WALTER BOUGHTON.. ..	Inland Revenue (C District), 2nd F 4, Howard Street, Sheffield.
8272	Oct. 1920	*NEALE, JOHN HUMPHREY ..	50, Jakeman Road, Cannon Birmingham.
7306	Oct. 1913	*NEALE, THOMAS ARCHIBALD ..	Southfield, New Road, Water Or Birmingham.
4038	Oct. 1902	*NEAME, FREDERICK IVO	The Offices, Macknade, Faversham Kent.
8273	Oct. 1920	*NELSON, ARCHIE	4, Aberlash Villas, Tivydayl, Ammanford, S. Wales.
8585	Oct. 1921	*NELSON, WILLIAM PERCIVAL	Station House, Pontypool R Mon.
5737	Oct. 1909	*NETTELTON, OSCAR TRAVES ..	P.W.D., Bungalow, Diyatalaw Ceylon.
8062	Oct. 1919	*NEVILLE, ERIC BERNARD	16, Westfield Road, Acton, W.3 (Middlesex).
5510	Oct. 1908	*NEW, ELLIOTT JOHN, LIEUT., R.E	Castle House, Eynsford, Kent.
5227	Oct. 1907	*NEWBERY, GEORGE HERBERT ..	14, Mount Street, W.
8274	Oct. 1920	*NEWBIGGING, ROBERT GERALD HUSTLER	5, The Avenue, Worcester.
6788	Oct. 1912	*NEWELL, LEOPOLD MONK.. ..	c/o J. Newell, Esq., J.P., Intal Upton Road, Birkenhead, Chesl
5229	Oct. 1907	*NEWHOUSE, EDWARD.. .. .	Public Works Department, K Kong.
4040	Oct. 1902	*NEWINGTON, CALEB RICKMAN K.	Sunnyside, Patcham, Sussex.
6790	Oct. 1912	*NEWLING, ARTHUR GWYN.. ..	26, Hawarden Avenue, Liscar Cheshire.
8916	Jan. 1922	NEWMAN, A. E.	6, Durant's Road, Ponders Middlesex.
7609	Oct. 1915	*NEWMAN, CLAUDE EDWIN SANDYS	The Bungalow, Clatterford R Carisbrooke, Isle of Wight.
7899	Nov. 1918	*NEWMAN, JOHN ALBERT	7, Swinley Road, Wigan, Lancs.
5511	Oct. 1908	*NEWMAN, PERCIVAL CORNEY, A.R.I.B.A.	32, Walbrook, E.C.
3718	Oct. 1900	*NEWMAN, WALTER PHILIP.. ..	121, Victoria Street, S.W.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1904	*¶NEWMAN, WILLIAM WALTER, A.M.I.C.E.	Council Offices, High Street, Watford, Hertfordshire.
Oct. 1903	*¶§NEWNHAM, FRANK GEORGE ..	Thornedene, Homesdale Road, Bromley, Kent.
Oct. 1910	*¶NICHOLLS, CHARLES WILLIAM ..	Estate Office, Ministry of Munitions, Holbrook Lane, Coventry.
Oct. 1913	*NICHOLS, HEDLEY WILLIAM ..	Fernleigh House, Trowbridge, Wilts.
Feb. 1897	*NICHOLSON, EBENEZER BERNARD	1 and 2, Queen Street, Cheapside, E.C.
Oct. 1913	*¶NICHOLSON, THOMAS	14, Coniger Road, Parson's Green, S.W.
Oct. 1914	*¶NICOL, FRANK CLAUDE	No. 4 Flat, Lordship Grove, Stoke Newington, N.
Oct. 1921	*¶NIGHTINGALE, ARTHUR LESLIE	84, King's Road, Wimbledon, S.W.19 (Surrey).
Nov. 1918	*NIGHTINGALL, CHARLES WILLIAM	South Hatch, Epsom, Surrey.
Oct. 1921	*NIXEY, WILLIAM GEORGE ..	59, West Avenue, Oldfield Park, Bath.
Oct. 1912	*¶NIXON, ERNEST	23, Oaklands, Gosforth, Newcastle-on-Tyne.
Oct. 1909	*NOBLE, WALTER HUBERT.. ..	Engineer's Office, Guildhall, E.C.
Oct. 1915	*¶NORMANTON, JOE	Glen View, Ripponden, Yorks.
Oct. 1913	*NORTHCOTT, FRANCIS FREDERICK	Architectural Dept., Borough Surveyor's Office, Southend-on-Sea.
Oct. 1910	*NORTON-NASH, HARRY BED-DOES	Valuation Office, 24, Bridge Street, Newport.
Oct. 1921	*NUNN, CECIL GEORGE	Kennans House, Crown Court, Cheapside, E.C.2.
Jan. 1922	NUTCHEY, EDWARD A.	83A, Hambalt Road, Clapham Park, S.W.4.
Oct. 1913	*NYE, GEORGE VINCENT	4, Albert Bridge Road, Battersea Park, S.W.
Oct. 1901	*OATEN, ALFRED EDWARD.. ..	22, Clare Street, Bristol.
Oct. 1921	*¶O'CONNELL, PATRICK JOSEPH	14, St. Paul's Road, New Street, Kennington, S.E.17.
Oct. 1907	*ODAM, GEORGE MAXWELL.. ..	County Hall, Aylesbury, Buckinghamshire.
Oct. 1908	*ODDY, JOSEPH RONALD RIDLEY	Meadow Bank, Castle Eden, Co. Durham.
Oct. 1911	*O'DELL, JOHN FREDERICK	24, John Street, Bedford Row, W.C.1
Oct. 1907	*¶OFFLOW, ARTHUR ROWLAND ..	30, Berlin Road, Catford, S.E.
Feb. 1909	*¶OGDEN, FREDERICK SORESBY ..	The Yews, Stanley, near Derby.
Oct. 1911	*¶OLDFIELD, GEORGE HARRY ROBERT	9, Hammett Street, Taunton, Somerset.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3128	Oct. 1896	*¶OLDNALL, ROGER WILLIAM, B.A. (Cantab.)	Oldfield, Sherborne, Dorset.
7313	Oct. 1913	*OLIVER, EDWIN HAMERTON	Gisborough Estate Office, Gisborough, Yorks.
6538	Oct. 1911	*OLIVER, HARRY HUTT	22, Surrey Street, Strand, W.C.
8275	Oct. 1920	*ORAM, EMMANUEL JOSEPH	New County Hall, Westminster, S.
4042	Oct. 1902	*ORCHARD, ALFRED DEAN	Market Bosworth, Leicestershire.
3410	Oct. 1898	*ORCHARD, SIDNEY SAMUEL	Creech St. Michael, Taunton, Some
8276	Oct. 1920	*¶ORR, CHARLES STEWART	Land Valuation Office, 249, George Street, Glasgow.
6017	Oct. 1910	*¶ORR, ROBERT	44, High New Park, N.5.
4226	Oct. 1903	*ORTON, WILLIAM GOODACRE	c/o Sir J. F. L. Rolleston and Grey Friars, Leicester.
8590	Oct. 1921	*§OSBORNE, EDWARD SIDNEY	The Firs, Nether Street, Church Lane, Finchley, N.3 (Middlesex).
7317	Oct. 1913	*¶O'SULLIVAN, TERENCE JAMES	Bentley Wynd, Yarm-on-Tees, Yorkshire.
5233	Oct. 1907	*OVENDEN, HUGH	Holmfield, Whitestake, near Preston, Lancs.
8277	Oct. 1920	*¶OVERTON, PERCY	3, Albion Mansions, Marine Parade, Hastings.
7901	Nov. 1918	*OWEN, HENRY THOMAS	Ripon House, Barmouth.
7319	Oct. 1913	*OWEN, THOMAS	Meddiant, Conway, N. Wales.
7611	Oct. 1915	*¶†OWEN, THOMAS BURWOOD	12, West Street, Walsford, Wimpole
8278	Oct. 1920	*¶OWEN, WILFRID SCOTTER	121, Cannon Street, E.C.4.
5006	Oct. 1906	*¶PACKE, WILLIAM VERE	West Wickham, Kent.
7690	Nov. 1916	*¶PAGE, ALAN CAWTHORN	Rating and Estate Office, L. B. & Railway, London Bridge, S.E.
6796	Oct. 1912	*¶PAGE, ARTHUR REGINALD	Belle Vale Lodge, Gateacre, Liverpool.
4487	Oct. 1904	*PAGE, BERNARD CULMER	9, Denman Street, London Bridge,
4488	Oct. 1904	*¶PAGE, EDMUND	42, Balmoral Road, Gillingham, Kent.
8591	Oct. 1921	*¶PAGE, JOHN THOMAS	36, Strutt Street, Derby.
4766	Oct. 1905	*PAGE, JOSEPH	38, St. Ives Mount, Upper Armley, Leeds.
8279	Oct. 1920	*PAGINTON, MONTAGUE	Old Rectory Chambers, 2, Newbrook Street, Newbury.
3250	Oct. 1897	*PAICE, WILLIAM, JUN.	Wentworth Cottage, Virginia Water, Surrey.
5744	Oct. 1909	*¶PAIN, COARD HENRY	51, North John Street, Liverpool.
4309	Feb. 1904	*¶PALMER, ARTHUR	Town Hall, Greenwich, S.E.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1905	*PALMER, CHARLES DRAYTON ..	c/o District Valuer, High Bridge, Lincoln.
Oct. 1913	*¶PALMER, ROBERT SIDNEY ..	8, Chaddesley Terrace, Swansea.
Oct. 1908	*PALMOUR, FREDERICK JOHN CLIFFORD	War Dept., Estate Office, Durrington, Wilts.
Oct. 1910	*¶PANARIO, FRANCIS MICHAEL ..	139, Springbank Road, Hither Green, S.E.13.
Feb. 1910	*¶PARAMOR, WILLIAM	1, Maison Dieu Road, Dover.
Oct. 1912	*PARHAM, ARTHUR DOUGLAS ..	Public Works Department, Colombo, Ceylon.
Oct. 1913	*PARK, EDWARD	Prospect House, Greenodd, Ulverston, Lancs.
Oct. 1921	*¶PARKER, BELTRAN WILLIAM ..	Framfield Road, Buxted, Sussex.
Oct. 1913	*PARKER, CHARLES	Mildenhall, Suffolk.
Oct. 1910	*¶PARKER, FRANK GRANGER ..	Parks Department, London County Council, Gloucester House, 19, Charing Cross Road, W.C.2.
Oct. 1900	*¶§PARKER, FREDERIC WILLIAM	The Elms, Pulford, near Wrexham, Denbighshire.
Oct. 1913	*PARKER, GEORGE	8, Temple Row, Wrexham, N. Wales.
Oct. 1921	*¶PARKER, HAROLD VINCENT ..	Claremont, Brighton Road, Sutton, Surrey.
Nov. 1918	*PARKER, HERBERT WILLIAM, CAPT.	Pine Coulu P.O., via Gull Lake, Saskatchewan.
Oct. 1900	*PARKER, HOWARD	Mostyn Estate Office, Llandudno.
Nov. 1918	*PARKER, ROBERT, CAPT., M.C. ..	Besford Bridge, Pershore, Worcester-shire.
Oct. 1913	*PARKES, THOMAS GERRARD ..	51, Havelock Road, Hastings, Sussex.
Oct. 1895	*PARKS, WALTER	93, York Road, Westminster Bridge Road, S.E.
Oct. 1897	*PARNACOTT, ARTHUR CHARLES ..	45, Downton Avenue, S.W.2.
Oct. 1908	*¶PARRATT, ALBERT MARTIN ..	5, Great College Street, Westminster Abbey, S.W.
Oct. 1903	*PARROTT, HUGH FRANCIS VIVIAN	Gwynfryn, Pwllheli, N. Wales.
Oct. 1913	*PARRY, DAVID MORRIS	5, Scholemoor, Avenue, Clayton Rd., Bradford.
Oct. 1905	*PARSONS, ARTHUR STANLEY ..	P.W.D., Dar-es-Salaam, Tanganyika Territory, Africa.
Oct. 1910	*¶PASCOE, HERBERT	3 and 5, Station Road, Watford, Herts.
Oct. 1921	*PASHEN, JOHN HERBERT ..	Arley Green, Northwich, Cheshire.
Feb. 1909	§*PATEY, GEORGE HEAD	c/o Sir C. R. McGrigor, Bart., & Co., 39, Panton Street, Haymarket, W.
Oct. 1906	*PATON, HUGH	3, Gladstone Villas, Durham.
Nov. 1918	*PATTEN, ALAN STEWART	
Oct. 1913	*PATTEN, JOHN	

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6304	Oct. 1912	*PATTINSON, JEFFREY	195, Ladbroke Grove, W.10.
5240	Oct. 1907	*PAUL, FRANCIS	77, Burnt Ash Hill, Lee, S.E.
6022	Oct. 1910	*PAUL, GEORGE GARNHAM ..	Guntton Park, Norwich.
2980	Oct. 1895	*PAUL, JOHN WILLIAM	31, Bedford Row, W.C.
7329	Oct. 1913	*PAYNE, FREDERICK GEORGE ..	County Hall, Spring Gardens, S.W.
7905	Nov. 1918	*PAYNE, RALPH RICHARD BEDFORD	Chesham House, Hitchin, Herts.
8918	Jan. 1922	PAYNE, W. BRADLEY	Knebworth, 33, Norbury Cres. Norbury, S.W.16 (Surrey).
5748	Oct. 1909	*PEAKE, ALBERT EDWARD	County Hall, Cambridge.
3116	Oct. 1896	*PEARCE, CHARLES FREDERICK ..	71, Edgware Road, W.
4232	Oct. 1903	*PEARCE, STEPHEN HARVEY ..	Architect's Department, L.C.C., County Hall, S.E.1., and Pol Conway Road, Southgate, (Middlesex).
5009	Oct. 1906	*PEARCH, DOUGLAS DAVISSON ..	20, High Street, Tunbridge We
7330	Oct. 1913	*PEARDE, CLIFFORD JAMES, MAJOR, D.S.O.	The Croft, North Curry, Taunton
5280	Oct. 1920	*PEARDE, JOHN CUTHBERT NOEL	The Croft, North Curry, Taunton
7531	Oct. 1913	*PEARSE, MARTIN	Abinger, Egmont Road, Sutton Surrey.
8595	Oct. 1921	*PEARSE, WALTER PITTS	Barncott, Plympton, S. Devon.
6807	Oct. 1912	*PEARSON, BENJAMIN JOHN	14, Lynwood Road, Aintree, L. pool.
8596	Oct. 1921	*PEARSON, FREDERICK GEORGE	41, Cicada Road, Wandsworth C mon. S.W.18.
8023	Oct. 1910	*PEARSON, GEORGE PARKER ..	Estate Office, Grittleton, Chippen Wilts.
6024	Oct. 1910	*PEARSON, NORMAN HANSON ..	52, Percy Park, Tynemouth, North land.
4051	Oct. 1902	*PEARSON, THOMAS GIBSON	Town Hall, Barrow-in-Furness, cashire.
6975	Feb. 1913	*PEEL, WILLIAM RALPH	Chilswell Farm, Boars Hill, Ox
2634	Feb. 1894	*PEGGE, JOHN THOMAS	City Surveyor's Office, Durham.
5251	Oct. 1920	*PEGLER, FRANK REGINALD ..	Peacehaven Estates, Peacehaven Newhaven, Sussex.
8597	Oct. 1921	*PEIRCE, PETER CARRINGTON	30, St. Petersgate, Stockport.
5243	Oct. 1907	*PEIRCE, RICHARD GEORGE	22, George Street, Croydon.
3063	Oct. 1919	*PENNINGTON, ERNEST, N.D.A., N.D.D.	Market Square, Bicester, Oxon
7333	Oct. 1913	*PENNINGTON, RICHARD WATSON	Cowbeech House, near Hail Sussex.
6025	Oct. 1910	*PENNINGTON, STANLEY MUN- CASTER	10, Merton Road, Bootle, Lancs.
8598	Oct. 1921	*PENNY, REGINALD THOMAS ..	Lynton Cottage, Wanstead, E
7334	Oct. 1913	*PENTLETON, ROBERT HENRY ..	Revelstoke, Salisbury Road, Cars Surrey.

Date of Election.	PROFESSIONAL ASSOCIATES	Address.
Oct. 1905	*PERCIVAL, ALEXANDER WILLIAM	13, Queen Anne's Gate, S.W.1.
Oct. 1909	*¶PERCIVAL, FRANK NEVILLE	Estate Office, Singleton Park, Poulton-le-Fylde, Lancashire.
Feb. 1913	*PERCY, GEORGE REGINALD, M.C.	Assistant Engineer, P.W.D., Bangan Serai, Perak, F.M.S.
Oct. 1912	*PERKIN, CHARLES	8, Newbould Road, Cheadle, Cheshire.
Oct. 1902	*PERKIN, DANIEL WARD	2, Drapers Gardens, Throgmorton Avenue, E.C.2.
Oct. 1911	*PERKIN, REGINALD JEFFRIES	11, Cole Hill, Tamworth, Staffs.
Oct. 1921	*PERKINS, FRANK KING	102, Burrells Walk, Cambridge.
Nov. 1890	*PERKINS, JOSEPH	86, Willows Road, Balcall Heath, Birmingham.
Oct. 1913	*PERRIN, FRANK JANES	Bridge Buildings, Barnstaple, N. Devon.
Nov. 1918	*PERRIN, JOEL WILLIAMSON HENRY	Crossfell, Tilehurst Road, Reading, Berks.
Oct. 1900	*PERRINS, GEORGE LATHAM	23, Halifax Road, Ainsdale, Southport.
Oct. 1908	*PETER, ARTHUR GRANVILLE	Northernhay, Launceston, Cornwall.
Feb. 1904	*¶PETERS, GEORGE FARMER JAMES	Brighton House, Brookwood, Surrey.
Oct. 1921	*¶PETERS, HERBERT THOMAS	24, Sussex Road, Haywards Heath, Sussex.
Oct. 1921	*¶PETERS, LESLIE	93, High Street, Sittingbourne, Kent.
Feb. 1912	*PETLEY, BERTRAM	Crixhall Court, Staple, Canterbury.
Oct. 1911	*PETLEY, GUY	Crixhall Court, Staple, Canterbury.
Nov. 1916	*¶PETTETT, HERBERT CHARLES	46, Haverstock Hill, South Hampstead, N.W.
Dec. 1883	PEWTRESS, HERBERT WILMS-HURST	15, Cursitor Street, Chancery Lane, W.C.
Oct. 1921	*¶PEXTON, FREDERICK WILLIAM	1, Highgate Road, Dewsbury, Yorks.
Oct. 1911	*¶PHILCOX, CECIL LODGE	Northover, Heathside Park Road, Woking, Surrey.
Oct. 1913	*¶PHILLIPS, CUTHBERT EMRYS VAUGHAN	Survey of Egypt, Giza, Cairo, Egypt.
Oct. 1894	*PHILLIPS, FRANCIS JOHN	Albury, Queen's Road, Springfield, Chelmsford.
Oct. 1912	*¶PHILLIPS, SAMUEL CHARLES	Borough Housing Surveyor's Office, Worthing.
Oct. 1920	*¶PHILLIPS, WILLIAM GEORGE	234, Barcombe Avenue, Streatham Hill, S.W.2.
Oct. 1912	*¶PHILLIPS, WILLIAM RITCHIE, CAPT.	c/o Property Investment Co., Ltd., 4, Queen Street Place, E.C.4.
Oct. 1913	*PICKERSGILL, ALFRED	205, Goodwin Terrace, Currock, Carlisle.
Oct. 1920	*PICKIN, ROBERT WILLIAM	Denny Bank, Halton, near Lancaster.
Oct. 1921	*PICKUP, JOHN	43, Eldon Road, Blackburn.
Oct. 1921	*PIDGEON, FRANK ALLEN	14, Enmore Road, Putney, S.W.15.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6347	Oct. 1911	*PIERCE, THOMAS HARLE	12, Terfyn Terrace, Port Dinorwic, N. Wales.
6814	Oct. 1912	*PIERPOINT, LEONARD	31, King Street, Wigan, Lancs.
7909	Nov. 1918	*PIKESLEY, ALFRED	1, Sandfield Road, St. Albans, Herts.
4497	Oct. 1904	*PILBEAM, FRANCIS NEWCASTLE ..	19, Feilding Road, West Kensington, W.14.
8605	Oct. 1921	*PILDITCH, PHILIP HAROLD ..	6-8, Old Bond Street, W.1.
3254	Oct. 1897	*PINFOLD, FRANCIS ARTHUR ..	Estate Office, L.B. and S.C. Ry., London Bridge Terminus, S.E.
8064	Oct. 1913	*PINKERTON, JOHN CASSELS, M.C.	24, Woodburn Road, Newlands, Glasgow.
7910	Nov. 1918	*PINKHAM, COURTENAY SHORT ..	City Engineer's Office, Queen's Square, Bristol.
6348	Oct. 1911	*PIPE, HENRY JAMES	Bickley, Druce Road, Dulwich, S.E.
8606	Oct. 1921	*PIPER, PERCY JAMES	10, Northumberland Avenue, Finsbury, London.
8284	Oct. 1920	*PITTAM, EDWARD CHARLES ..	"Tendring," Empress Avenue, Waltham Cross, Essex.
7911	Nov. 1918	*PLATT, CHARLES EDWARD ..	The Lindens, Newport, Salop.
5013	Oct. 1906	*PLUMB, FRANCIS CLARKSON ..	22, Clack Lane, Ruislip, Middlesex.
5014	Oct. 1906	*PLUMSTEAD, HENRY WILLIAM LEWIS	126, The Avenue, Highams Park, Essex.
8607	Oct. 1921	*POINTING, HERBERT JOHN ..	42, Henley Road, Ilford.
7339	Oct. 1913	*POINTON, HAROLD JESSE ..	13, Albert Street, Newcastle, Staffs.
7913	Nov. 1918	*POLLINGTON, EDWARD VICTOR ..	c/o Superintending Civil Engineer, H.M. Dockyard, Rosyth.
8285	Oct. 1920	*POOL, ARTHUR HARRY WILLIAM	57, Gibbon Road, Kingston-on-Thames, Surrey.
7914	Nov. 1918	*POOLE, GEORGE	3, Parkfield Road, Waterloo, Liverpool.
8286	Oct. 1920	*POOLE, REGINALD	10, Gloucester Road, Bootle, Liverpool.
8608	Oct. 1921	*POOLE, SAMUEL HENRY ..	York Chambers, 77, Lowgate, York.
6027	Oct. 1910	*POORE, JOHN	Badminton, Gloucester.
4771	Oct. 1905	*POPE, HERBERT BURGHAM ..	Thames Bank House, Lower Thames Road, Kingston-on-Thames, Surrey.
8287	Oct. 1920	*PORTER, EDWARD LETTINGTON	High View Avenue, Grays, Essex.
5058	Feb. 1907	*PORTER, EVELYN DE BOCK	Valuation Office, 38, Lansdowne Road, Tottenham, N.7 (Middlesex).
8609	Oct. 1921	*PORTER, HAROLD	17, Danehurst Street, Fulham, S.W.
7340	Oct. 1913	*POTTER, EDGAR WILLIAM ..	6, Francis Grove, Wimbledon, Surrey.
3580	Oct. 1899	*POTTER, SHIRLEY HERBERT ..	2, Stanhope Gardens, Highgate, N. (Middlesex).
4038	Oct. 1910	*POTTIER, ALFRED	Bosigran, Whytecliffe Road, Putney, Surrey.
6116	Feb. 1911	*POTTS, GILBERT ACKROYD ..	34, Victoria Buildings, Victoria Street, Manchester.

p.	Date of Election.	PROFESSIONAL ASSOCIATES	Address.
3	Oct. 1912	*†POVER, WILLIAM ALFRED.. ..	54, Park Road, Faversham, Kent.
2	Oct. 1905	*POVEY, STEPHEN GODDARD	17, Blagrove Street, Reading, Berks.
0	Oct. 1921	*†POWELL, HERBERT WILLIAM JOHN	155, Cathedral Road, Cardiff.
5	Oct. 1919	*POWELL, HUMPHREY CROFTS	38, Wilbury Road, Hove, Sussex.
	Oct. 1904	*POWER, RICHARD REILLY.. ..	Civil Engineer in-Chief's Department, Admiralty, S.W.
1	Oct. 1921	*†PRANCE, CHARLES WILLIAM	Council Offices, Wimborne, Dorset.
2	Oct. 1921	*PREECE, EDWIN THOMAS ORLANDO	7, Coton Crescent, Shrewsbury.
3	Oct. 1920	*PRESCOTT, MATTHEW SWIFT	2, Rivershill, Glebelands Road, Ashton-on-Mersey, Cheshire.
5	Oct. 1909	*†PRESTON, ERIC WATSON	Curlew Hope, Weybridge, Surrey.
2	Oct. 1913	*†PRESTON, WALTER RONALD	Curlew Hope, Weybridge, Surrey.
4	Oct. 1905	*PREVATT, FRANCIS CHRISTOPHE	163, Belmont Circular Road, Port-of-Spain, Trinidad, West Indies.
4	Feb. 1898	*†PRICE, CAPEL HEREWARD.. ..	5, Great College Street, S.W.
7	Oct. 1912	*PRICE, ERIC ARTHUR	92, Holden Road, N.12 (Middlesex).
8	Oct. 1912	*†PRICE, GEORGE STANLEY	Ivy Dene, Rhos-on-Sea, Colwyn Bay, N. Wales.
3	Oct. 1913	*†PRICE, GILBERT RHYS	5, Louvaine Road, S.W.11.
0	Oct. 1907	*PRICE, JOHN ROWLAND	102, Bradwall Road, Sandbach, Cheshire.
1	Oct. 1907	*PRICE, REGINALD HENRY KING	23, Clare Street, Bristol.
1	Oct. 1913	*PRICE, THOMAS GEORGE	5, Eagle Street, Port Talbot, Glam.
	Oct. 1910	*PRICE, WILLIAM HARRY LYNE	272, Farnham Road, Farnham Royal, Bucks.
	Oct. 1921	*PRICE, WILLIAM THOMAS	The Farm Institute, Penkridge, Stafford.
	Nov. 1918	*PRIEST, BERNARD	The Estate, Riddlesworth Hall, Thetford.
	Oct. 1908	*PRIOR, ARTHUR SPARKS	46, Buckingham Road, Brighton.
	Oct. 1911	*PRIOR, GORDON STEWART	131, Regent Street, W.1.
	Oct. 1921	*†PRITCHARD, CEDRIC HOOD	Bank Buildings, Colston Avenue, Bristol.
	Oct. 1912	*†PRITCHARD, WILLIAM, JUN.	Housing Dept., Municipal Buildings, Liverpool.
	Oct. 1911	*†PROSSER, ROGER, B.SC.	The Elms, Struet, Brecon.
	Oct. 1913	*PROUD, STANLEY SISSON	The Wish, Uttoxeter, Staffs.
	Dec. 1889	*PUCKRIDGE, PERCIVAL MARTIN.. ..	Milton Pewsey, Wilts.
	Oct. 1907	*†PULFORD, LEONARD CYRIL	The Cedars, Addiscombe, Surrey.
	Nov. 1918	*PULLEN, HAROLD WILLIAM	21, Dickenson Road, Crouch Hill, N.8. (Middlesex).
	Oct. 1909	*†PUNCHARD, THOMAS WILLIAM	Land Valuation Office, Market Square, Lancaster.
	Oct. 1912	*†PUNTER, PERCIVAL ALAN	Council Offices, Cwmbran, Mon.
	Oct. 1917	*†PURRY, ERNEST STEPHEN	51, Parliament Hill, Hampstead, N.W.3.

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6824	Oct. 1912	*PURSGLOVE, ARCHIBALD, A.R.I.B.A.	10, Elmsmere Road, Fog Lane, Didsbury, Manchester.
6030	Oct. 1910	*PUSSER, DANIEL ROBERT	77, Bexhill Road, Crofton Park, S.W.
7735	Oct. 1917	*PUZEY, SIDNEY THEODORE	46, Philbeach Gardens, S.W.5.
2985	Oct. 1895	*PYE, GEORGE HENRY.. ..	Rocklyn, Barkers Lane, Ashton-under-Lyne, Cheshire.
4502	Oct. 1904	*QUARMBY, CHARLES DAVID	64, Crescent Lane, Clapham, S.W.
7246	Oct. 1913	*QUILTER, HENRY.. ..	St. Malo, Percy Road, Hampton, Middlesex.
918	Nov. 1918	*QUIRKE, RAYMOND FITZWILLIAM, CAPT., O.B.E.	5, Shepherds Market, Curzon Street, Mayfair, W.
5758	Oct. 1909	*RADBURN, SYDNEY CHARLES	Cheriton Ridge, Kingston Hill, Surrey.
8616	Oct. 1921	*RADDALL, THOMAS	1, Kirkby Place, Plymouth.
8617	Oct. 1921	*RAGG, FREDERICK REGINALD	Estate Office, Ockham, Woking.
7248	Oct. 1913	*RAINSFORD, ROBERT WORHAM	18, High Street, Aldeburgh-on-Sea, Suffolk.
7919	Nov. 1918	*RALPH, EDWARD, M.C. . . .	Bromley House High Street, Bromley, Kent.
8618	Oct. 1921	*RALPH, SYDNEY MAURICE	110, Shadwell Road, North End, Portsmouth.
8619	Oct. 1921	*RAMPTON, FREDERICK	Headquarters, London Fire Brigade, Southwark, S.E.1.
6825	Oct. 1912	*RAMPTON, PERCY WILLIAM	5, Mount Street, W.1.
7349	Oct. 1913	*RAMSAY, ERNEST WILLIAM	16, Whiteley Road, Upper Norwood, S.E.
8620	Oct. 1921	*RAMSAY, WESTON	c/o Messrs. Borrett & Borrett, Devereux Court, W.C.2.
7920	Nov. 1918	*RAMSDEN, GEORGE	Baghill House, Walkergate, Pontefract.
5526	Oct. 1912	*RANDALL, ERNEST JOHN JAMES	3, Northgate Mansions, Gloucester.
3581	Oct. 1899	*RANSOM, THOMAS REGINALD	26, Dover Street, W.1.
6827	Oct. 1912	*RATCLIFF, WILLIAM WATTS	The Willows, West Drayton, Middlesex.
3416	Oct. 1898	*RAWSTRON, CHARLES OLIVER	Surveyor's Office, Imperial Buildings, Rotherham.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address
Oct. 1919	*RAYDEN, JOHN MARKETT	37, Park Avenue, Chelmsford, Essex.
Oct. 1903	*RAYMOND, JAMES OWEN	55, Uxbridge Road, Rickmansworth, Herts.
Oct. 1921	*RAYNER, HENRY JOSEPH	137, Lathom Road, East Ham, E.6 (Essex).
Oct. 1913	*RAYNER, KENNETH	26, Hamilton Terrace, Leamington Spa, Warwickshire.
Oct. 1913	*RAYNER, WILLIAM DEX LEA	Glensgarif, Wroxham, Norfolk.
Oct. 1910	*RAYSON, WILLIAM JAMES	15, Broad Street, Oxford.
Oct. 1913	*READ, ALBERT EDWARD	17, Malwood Road, Balham Hill, S.W.
Oct. 1921	*READ, JOHN	Mountain Ash, Hornchurch, Essex.
Nov. 1916	*READ, VAUGHAN	10, Beaufort Place, Lambridge, Bath.
Oct. 1920	*REAN, WILLIAM HENRY O.B.E., A.M.I.C.E., M.I.M.&C.E.	Tanzim Dept., Ministry of Public Works, Cairo, Egypt.
Oct. 1898	*REDFERN, CHARLES FREDERICK	c/o Foster and Redfern, 7, Temple Row West, Birmingham.
Oct. 1903	*REED, EDWARD B.	Public Works Department, Hong Kong.
Oct. 1912	*REED, FRANK UNDERHILL	39, Spencer Park, Wandsworth Common, S.W.
Oct. 1912	*REED, STANLEY GORDON	Parks Department, L.C.C., 19, Charing Cross Road, W.C.2.
Oct. 1917	*REES, ERNEST JOHN	20, Rugby Avenue, Neath, S. Wales.
Oct. 1911	*REES, MORGAN	Penydre House, Neath, Glamorganshire
Oct. 1901	*REES, WILLIAM HAROLD	154, Croydon Road, Anerley, S.E. (Surrey).
Oct. 1912	*REEVE, HENRY GEORGE	c/o T. Reeve, The Paddock, Little Stambridge, Rochford, Essex.
Oct. 1919	*REEVES, LEONARD	Stoney Bank, Kidsgrove, Stoke-on Trent.
Oct. 1913	*REID, ALEXANDER EWING, N.D.A.	20, Oatmeal Row, Salisbury.
Oct. 1921	*REID, COLIN COLQUHOUN	5, Chisholme Street, Glasgow.
Oct. 1910	*REID, ROBERT DONALD	23, Fotheringham Road, Ayr.
Oct. 1921	*REMANT, EUSTACE ARCHIBALD	185, Croydon Road, Anerley, S.E.20 (Surrey).
Oct. 1920	*RENNICK, CHARLES BURRIDGE	624, Pollokshaws Road, Glasgow.
Nov. 1918	*REX, FRANCIS NICHOLSON	311, Kentish Town Road, N.W.5.
Oct. 1912	*RHODES, BERTRAM	Lilpho, Groby Road, Altrincham.
Oct. 1919	*RHYS, JOHN PERCIVAL	Ardilaun, Lowfield Heath, Crawley, Sussex.
Oct. 1913	*RICCOMINI, JAMES ARTHUR	County Hall, West Riding Surveyor's Department, Wakefield Yorks.
Oct. 1908	*RICHARDS, DANIEL HERBERT	c/o Orr's Zinc White, Ltd., Widnes, Lancs.
Oct. 1908	*RICHARDS, JOHN SYDENHAM	3, Trinity Place, Swansea.
Oct. 1909	*RICHARDS, ROBERT HERBERT	Dolgwyn, Bryn Road, Lampeter, Cardiganshire.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES	Address.
8291	Oct. 1920	*RICHARDSON, BENJAMIN ..	William Street, Houghton-le-Spri Co. Durham.
7922	Nov. 1918	*RICHARDSON, ERNEST GILBERT	41, Bedford Row, W.C.1.
7357	Oct. 1913	*RICHARDSON, FREDERICK	7, Little College Street, Westmins Abbey, S.W.
4777	Oct. 1905	*RICHARDSON, GEORGE	86, Lothian Road, Grove Hill, M dlesbrough.
8625	Oct. 1921	*RICHARDSON, WILLIAM	Brynteg, Bryn Road, Swansea.
5022	Oct. 1906	*RICHARDSON, WILLIAM EDWARD	9, Goldhurst Terrace, South Hampst N.W.
5257	Oct. 1907	*RICKARDS, CLEMENT ARCHBOLD ROSS	70, Rothwell Road, Gosforth, Ne castle-on-Tyne.
8292	Oct. 1920	*RICKETS, REGINALD HERBERT	41, Southdown Road, Wimbled S.W.19 (Surrey).
4508	Oct. 1904	*RIDDETT, BASIL PERRY	c/o The Surveyor General, Cant ments, Accra, Gold Coast Colo W. Africa.
3584	Oct. 1899	*RIDDETT, MAURICE CHARLES ..	Town Hall Chambers, Ryde, Isle Wight.
6836	Oct. 1912	*RIDDLE, WILFRID PATTERSON ..	Guildhall, Hull, Yorks.
6837	Oct. 1912	*RIDE, WILLIAM HENRY	Katey Glen, Wyggston Street, Bur on-Trent, Staffs.
8626	Oct. 1921	*RIDER, WILLIAM HERBERT ..	2, Curzon Road, Southport.
8919	Jan. 1922	RILEY, CHARLES H.	11, Victoria Street, Westmins S.W.1.
7923	Nov. 1918	*RILEY, RICHARD HOLDEN	Hillcrest, York Road, Langho, Bla burn.
4311	Feb. 1904	*RINGLAND, WILLIAM EWART ..	8, Wellington Road, St. John's Wo N.W.
6362	Oct. 1911	*RINTOUL, ANDREW JEFFREY ..	Allerton House, Jedburgh.
4509	Oct. 1904	*RIPPON, HERBERT	21, Campden House Road, Kensing W.
5764	Oct. 1909	*RISDON, JOHN PEART	c/o Risdon & Leversha, Wiveliscom Somerset.
7924	Nov. 1918	*RITCHIE, WILLIAM TODD	14, Pitcullen Terrace, Perth.
4510	Oct. 1904	*RIVERS, FRANK WILFRED	23, Bedford Row, W.C.
8627	Oct. 1921	*ROACH, DAVID JOHN	8, Gelli Crossing, Ystrad Rhond Glam.
7614	Oct. 1915	*ROBB, THOMAS WRIGHT	50, Kelbourne Street, Kelvinsid Glasgow.
3419	Oct. 1898	*ROBBINS, WALTER FRANCIS ..	4, Carmalt Gardens, Putney, S.W.
6455	Feb. 1912	*ROBERTS, ARTHUR CECIL	5. The Pavement, Bright Road, Co don, Surrey.
5765	Oct. 1909	*ROBERTS, CHARLES MINTO	17, Bedford Row, W.C.
4511	Oct. 1904	*ROBERTS, EDWARD LAMPLOUGH	23, Watling Street, Radlett, Herts.
7531	Oct. 1914	*ROBERTS, EDWARD THOMAS ..	Llanfair Buildings, St. Mary Str Swansea, S. Wales.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address
Oct. 1910	*ROBERTS, FREDERICK LEONARD	18, Guilford Avenue, Surbiton, Surrey.
Oct. 1913	*ROBERTS, HERBERT JOHN	Manor Office, Chy-an-Eglos, Marazion, S.O. Cornwall.
Oct. 1913	*ROBERTS, HOWARD	8, Anglesey Road, Kingston, Surrey.
Oct. 1901	*ROBERTS, JOHN	Churton Villa, Tarvin Road, Chester.
Oct. 1920	*ROBERTS, JOHN MEIRION	24, Severn Street, Welshpool Mont- gomeryshire.
Oct. 1920	*ROBERTS, JOSEPH NORMAN	Brynhyfryd, Ruabon, Denbighsh re.
Oct. 1921	*ROBERTS, MORGAN GRAHAM	3, St. George's Terrace, Swansea.
Oct. 1911	*ROBERTS, WILLIAM HUGHES	14, Platts Avenue, Watford, Herts.
Oct. 1919	*ROBERTSON, HUBERT ALEXANDER	27, Camberwell Green, S.E.5.
Oct. 1921	*ROBERTSON, LAWRENCE GEORGE	Inspector of Works, R.E. Mess, Limerick.
Nov. 1918	*ROBINSON, BENJAMIN GRANT	2, Canada Road, Slough, Bucks.
Oct. 1907	*ROBINSON, FRANCIS WALTER	30, Halford Road, Richmond, Surrey.
Oct. 1920	*ROBINSON, GEORGE INGRAM	7, Tacketts Street, Blackburn, Lancs.
Oct. 1920	*ROBINSON, JOSEPH TEMPLE	86, Eccleston Square, S.W.1.
Oct. 1908	*ROBINSON, LESLIE	1, Station Road, Balham, S.W.
Oct. 1920	*ROBINSON, MAURICE DIXON	7 Tacketts Street, Blackburn, Lancs.
Oct. 1920	*ROBLEY, JOHN	Ingleberg, Beckermest, Cumberland .
Oct. 1913	*ROBSON, THOMAS JOHN	
Oct. 1915	*RODERICK, BENJAMIN	Ashbrook House, Aberdare, S. Wales.
Oct. 1912	*RODERICK, WILLIAM DAVID	Brynhyfryd, The Parade, Ton Pentre, Glam.
Oct. 1905	*RODWELL, LIONEL HELM	8, Sidney Street, Cambridge.
Oct. 1907	*ROGERS, EDGAR ARTHUR, CAPT.	Chota, Mahal, Southbourne Grove, Westcliff-on-Sea, Essex.
Oct. 1921	*ROGERS, ERNEST ARTHUR	Lynwood, Havant, Hants.
Oct. 1908	*ROGERS, JOHN	14, St. Alban's Road, Swansea.
Oct. 1907	*ROGERS, JOHN RUSSELL	6, High Street, Maldon, Essex.
Oct. 1912	*ROGERS, MATTHEW SPENCER	67, Church Street, Flint, N. Wales.
Oct. 1908	*ROLFE, CHARLES BERTRAM	60, Butler Road, Harrow.
Oct. 1906	*RONALD, THOMAS ROWAN	
Oct. 1910	*ROOME, FRANK MORRIS	27, Deyncourt Gardens, Upminster, Essex.
Oct. 1904	*ROPER, JOHN WILLIAM	90, Cannon Street, E.C.
Mar. 1884	ROSE, EDWARD JOSEPH	58, Corn Market Street, Oxford.
Feb. 1913	*ROSE, FREDERIC CHARLES	Premises Dept., Lloyd's Bank, Ltd., 27, High Street, Cardiff.
Oct. 1921	*ROSE, SYDNEY GEORGE	12, Clarendon Gardens, Maida Vale, W.9.
Oct. 1903	*ROSEVEAR, JOHN ASHBURNHAM	335, Upper Richmond Road, East Sheen, S.W. (Surrey).
Oct. 1912	*ROSS, JOHN	7, Derby Road, Watford, Herts.
Nov. 1918	*ROSSITER, EDWARD THOMAS	56, Oakmead Road, Balham, S.W.12.

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8632	Oct. 1921	* ROSSITER, WILLIAM CLARK ..	110, Rannoch Road, Hammersmith W.6.
8633	Oct. 1921	* ROWE, BASIL ARTHUR	51, Eastbrook Road, Portslade Brighton.
4588	Feb. 1905	* ROWE, GILBERT CHARLES	c/o Maunsell and Rowe, 47, Chichester Road, Upper Norwood, (Surrey).
8071	Oct. 1919	* ROWELL, CLIFFORD WILLIAM ..	10, Whitehall Place, S.W.1.
8634	Oct. 1921	* ROWLAND, FRANK SKINNER ..	Smithbarn Lane, Horsham.
4785	Oct. 1905	ROWLAND, HAROLD EVANS ..	The Gatehouse, Russell Hill, Putney Surrey.
5025	Oct. 1906	* ROWLAND, WILLIAM JOHN W. ..	Royston, Hertfordshire.
1695	Jan. 1890	* ROWLEY, WILLIAM TAYLOR ..	233, Brockley Road, S.E.
4061	Oct. 1902	* RUDDLE, GEORGE WILLIAM ..	4, St. Peter's Hill, Grantham, Lincolnshire.
7928	Nov. 1918	* RUDKIN, HENRY CECIL	33, Melling Road, Southport, Lancashire.
4517	Oct. 1904	* RULE, THOMAS	Avenue Chambers, The Square, Bournemouth.
5026	Oct. 1906	* RUMSBY, WALTER SAMUEL ..	20, Gayfere Street, Westminster S.W.1.
8635	Oct. 1921	* RUNTZ, ERNEST MUNRO ..	28, Church Street, Falmouth.
8636	Oct. 1921	* RUSE, JOHN	Sheering Mill House, Sawbridgeworth Herts.
4788	Oct. 1905	* RUSHWORTH, HAROLD MONTAGUE ..	12, Spring Road, Kempston, Bedfordshire.
8637	Oct. 1921	* RUSSELL, ERNEST WILLIAM ..	Clermiston, Helensburgh, Dumbartonshire.
8299	Oct. 1920	* RUSSELL, THOMAS RAMSAY ..	64, Croftdown Road, Highgate, London N.W.5.
4519	Oct. 1904	* RUTHEN, ERNEST SIDNEY	37, Tavistock Square, W.C.1.
6844	Oct. 1912	* RUTHERFORD, ALEXANDER KIRK- WOOD	Carnarvon Estate Office, Birmingham Nottingham.
6845	Oct. 1912	* RUTHERFORD, JOHN SEYMOUR ..	63, Sidney Street, Cambridge.
3587	Oct. 1899	* RUTTER, ARTHUR LIONEL, M.A. (Cantab.)	Londesborough Lodge, Worcester Park, Surrey.
8638	Oct. 1921	* RUTTER, JOHN GIBSON	22, Ellerdale Road, Hampstead, London N.W.1.
6456	Feb. 1912	* RYAN, BERNAL JOHN, CAPT., M.C.	40, Torrington Square, W.C.1.
4520	Oct. 1904	* RYAN, JOHN A., A.M.I.C.E. (Ireland)	The Crescent, Hathersage, Derby
5767	Oct. 1909	* RYLATT, WALTER PUCKERING, A.R.I.B.A.	

Date of Election	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1921	*¶SAGE, ERNEST DERRETT ..	The Grange, Usk, Mon.
Oct. 1897	*ST. AUBYN, BELVILLE MOLES- WORTH, B.A. (<i>Oxon.</i>)	Halwell House, Kingsbridge, S. Devon.
Oct. 1911	*SAISE, WALTER	Ventnor House, Forest Road, Fish- ponds, Bristol.
Oct. 1893	*SALE, ARTHUR REED	Custom and Excise Office, East Lon- don, South Africa.
Oct. 1921	*¶SALMON, DOUGLAS JOHN ..	c/o C. Lovegrove, 58, London Road, Portsmouth.
Oct. 1907	*SALTER, WILLIAM ERIC	Attleborough, Norfolk.
Oct. 1903	*¶SALWEY, ARTHUR	Tudor House, Alma Road, St. Alban's, Herts.
Nov. 1916	*¶SAMUEL, RONALD ASTLEY ..	Tanyrallt, Eaton Grove, Swansea, Glam.
Oct. 1917	*¶SANDERS, DENIS CHARLES WILLIAM	The Old Manor, Lubenham, Market Harborough.
Oct. 1921	*¶SATCHELL, JOHN GERARD DOUGLAS	Wayside, Letchworth, Herts.
Oct. 1907	*SAUNDERS, EDWARD YOUNGS ..	Borough Surveyor's Office, Barnstaple.
Oct. 1921	*SAVAGE, RICHARD BRUCE ..	Clifton House, Whaley Bridge, Derby- shire.
Oct. 1903	*SAVAGE, TOM ALBERT	36, Moston Road, Middleton Junction, Manchester.
Nov. 1918	*¶SAVILL, EDWIN LYDALL	51, Lincoln's Inn Fields, W.C.2.
Oct. 1920	*SAVILL, ERIC HUMPHREY ..	Chobham Farm, Chobham, Surrey.
Oct. 1910	*¶SAWARD, SIDNEY CARMAN ..	c/o Surveyor General, Accra, Gold Coast.
Nov. 1918	*§SAWBRIDGE, DANIEL	Kensington House, Wigan Lane, Wigan.
Nov. 1918	*SAWYERS, SYDNEY MILTON ..	5-7, Grafton Street, Byker, Newcastle on-Tyne.
Oct. 1921	*¶SAXON, FREDERICK CHARLES	Cathedral Chambers, S. Werburgh Street, Chester.
Oct. 1909	*¶SCALES, ARTHUR ALFRED	53, Morley Road, East Twickenham.
Oct. 1920	*¶SCANLAN, WILLIAM HENRY ..	42, Henley Road, Ilford, Essex.
Oct. 1908	*¶SCANTLEBURY, WILLIAM SETH ..	78, Inchmery Road, Catford, S.E.6.
Oct. 1921	*¶SCARSBROOK, REGINALD GEORGE	95, Meadvale Road, Ealing, W.5 (Middlesex).
Oct. 1907	*¶SCEATS, DOUGLAS BRIANT ..	117, Meadvale Road, Ealing, W.5 (Middlesex).
Oct. 1910	*¶SCHILLING, JOHN FRANCIS ..	1, Benymead Gardens, Acton, Mid- dlesex.
Oct. 1921	*¶SCHOFIELD, RILEY	Surveyor's Office, 1, The Crescent, Bridlington, Yorks.
Oct. 1907	*¶SCHOLES, JOHN GREAVES	6, Walton's Parade, Preston, Lancs.
Oct. 1894	*SCORER, ALFRED GEORGE	Hillcrest, Chilworth, Guildford.
Oct. 1921	*¶SCOTT, ALBERT CLARKE ..	3, Broad Court, Bow Street, W.C.2.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6368	Oct. 1911	*SCOTT, CHARLES WILLIAM MONTAGU DOUGLAS	Bradford Estate Office. W under-Lizard, Shifnal, Staffs.
4523	Oct. 1904	*SCOTT, JAMES COSPATRICK ..	Broomlands, Kelso, Roxburgh.
5534	Oct. 1908	*SCOTT, JOHN HENRY ..	c/o Housing Commissioner, 52, gate Road, Newcastle-on-Ty
6849	Oct. 1912	*SCOTT, WILLIAM EASTON ..	Assistant Engineer. P.W.D., I Nigeria.
5270	Oct. 1907	*SCRIVEN, JOHN PEARCE ..	City Surveyor's Office, Guildhall
7366	Oct. 1913	*SCRUTTON, FRANK SEYMOUR ..	Flat 2, 28, Lee Park, Blackh S.E.3.
8647	Oct. 1921	*¶SCURFIELD, ROBERT ..	Town Hall Chambers, Guildford
8302	Oct. 1920	*SEABROOK, ERNEST CARDEN	113, Warwick Avenue, Maida W.9.
4793	Oct. 1905	*SEAGO, RALPH WOLLASTON ..	Custom House Buildings, Lowe Suffolk.
4256	Oct. 1903	*SEALE, PERCY JAMES ..	485, California Street, San Fran
8073	Oct. 1919	*¶SEARLE, GILBERT ODELL ..	Glenmore House, Lambeg, Lis Ireland.
6850	Oct. 1912	*¶SEATON, THOMAS HARDMAN ..	16, Reed Pond Walk, Gidea Essex.
6369	Oct. 1911	*¶SEDGWICK, ERNEST ..	12, Waterloo Place, Sunderlan Durham.
2468	Nov. 1891	*SEDGWICK, RUPERT WILLIAM ..	Elnothington, Hollingbourne, Ke
8303	Oct. 1920	*¶SEEL, ROBERT AMYAS ..	"Ailsa Craig," Dynas Powis, C
1729	Feb. 1890	*SELBY, FRANK ..	44, Chancery Lane, W.C.
1234	Dec. 1884	*§SELBY, JOHN BASELEY ..	Atherton Hall, Leigh, near Manche
8783	Oct. 1900	*SELLER, FRANK RUSSELL..	Hamilton House, Victoria Embank E.C.
8648	Oct. 1921	*SEVERS, CHARLES COCHRANE	67, The Avenue, Lewes.
7367	Oct. 1913	*¶§SEXTON, GEORGE WILLIAM FRANCIS	Rosemount, Christchurch A Brondesbury Park, N.W. (M sex).
4534	Oct. 1904	*SHARMA, LAKSHMI CHAND ..	Srinager, Kashmir, India.
4794	Oct. 1905	*SHARP, HERBERT FIRTH ..	1, Briggs Villas, Queensbury, Bra
7368	Oct. 1913	*SHARP, WILLIAM ALFRED ..	102, Bishop's Mansions, Fulham
7369	Oct. 1913	*SHARPE, HENRY ERNEST ..	236, Osmaston Road, Derby.
5535	Oct. 1908	*¶SHARPLESS, ARTHUR ..	35, Chester Road, Wanstead, (Essex).
1425	Dec. 1887	*SHAW, ARTHUR ..	Ramsden Estate Offices, Railway Huddersfield, Yorkshire.
8649	Oct. 1921	*¶SHAW, ERNEST..	33, Johnson Street, Cheetham, chester.
5536	Oct. 1908	*SHAW, FREDERICK JOHN ..	Westgate Chambers, Newport, M
7370	Oct. 1913	*SHAW, ROBERT WILLIAM ..	5, Dapdune Crescent, Guildford, S
5537	Oct. 1908	*SHEARBURN, WILLIAM IVERY ..	Culverton Lodge, Dorking, Surre
3262	Oct. 1897	*SHEARER, JAMES HUGHAN, A.R.I.B.A.	15B, Golders Green Road, G Green, N.W.11 (Middlesex).

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1911	*¶SHEATH, ALBERT GEORGE	Richmond Park Avenue, Bournemouth, Hants.
Oct. 1910	*SHEDDEN, EDWARD CLAUDE ..	c/o Messrs. David & David, 11, Cathedral Road, Cardiff.
Oct. 1921	*¶SHELBOURN, PHILIP CLIVE ..	South Parade, Melton Mowbray, Leicestershire.
Oct. 1915	*¶SHELDON, FREDERICK CHARLES ..	29, Fountain Street, Macclesfield, Cheshire.
Oct. 1898	*¶SHELDON, HAROLD	Alderley Edge, Cheshire.
Oct. 1912	*¶SHELLEY, WILLIAM LINCOLN ..	28, Beatrice Road, Finsbury Park, N. (Middlesex).
Oct. 1905	*¶SHEPHERD, EDMUND THOMAS ..	387, London Road, Thornton Heath, Surrey.
Oct. 1913	*SHEPHERD, JOHN LINN	9, Paterson Street, Dundee.
Oct. 1906	*SHEPPARD, JOHN MORTIMER ..	39, Bloomsbury Square, W.C.
Oct. 1921	*¶SHERIDAN, WILLIAM	9, Roe Street, Cliftonville, Belfast.
Feb. 1909	*¶SHERWIN, CYRIL JOSEPH	94, North Side, Wandsworth Common, S.W.
Oct. 1920	*¶SHERWIN, JAMES AUSTIN	Oficina Via y Obras, F.C.C.A., Cordoba, Argentine.
Nov. 1918	*¶SHERWIN, SAMUEL WILLIAM ..	9A, Royal Parade, Muswell Hill, W.10
Oct. 1920	*SHIMMIN, WILLIAM ALFRED	"Clypston," Woodbourne Road, Douglas, I.O.M.
Oct. 1913	*SHINER, LAWRENCE ALEXANDER DAVID	c/o Engineer-in-Chief, Metropolitan Asylums Board, Sheffield House, Sheffield Street, W.C.
Oct. 1901	*¶SHIPWRIGHT, WILLIAM GEORGE, LIC.R.I.B.A.	13, Gladstone Road, Broadstairs.
Oct. 1910	*SHIRLEY, HENRY TOWNSEND ..	3, Whittinghame Terrace, Jordanhill, Glasgow.
Oct. 1897	*SHORNEY, ARTHUR SHEPHERD ..	1, Talfourd Avenue, Reading.
Oct. 1912	*¶SHORTREED, WILLIAM	The Nest, Clovenfords, Selkirkshire.
Oct. 1921	*¶SIBBALD, WILLIAM LOGAN ..	75, Langshaw Street, Old Trafford, Manchester.
Oct. 1909	*¶SICH, PERCY BERTRAM WARDELL	Norfolk House, The Mall, Chiswick, W. (Middlesex).
Oct. 1921	*SILLENC - LOVELL, SYDNEY VALENTINE	Park Way, Luton.
Oct. 1913	*SIMKIN, ROWLAND IVE	63, North Hill, Colchester, Essex.
Oct. 1912	*SIMMONS, GEORGE HERBERT ..	10, High Street, Doncaster, Yorks.
Oct. 1920	*¶SIMONDS, CHARLES CABOURN BANNISTER	c/o Messrs Hall & Steavenson, College Hill, Shrewsbury.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6050	Oct. 1910	*SIMPSON, CHRISTOPHER	Housing Scheme, Airlie Road, chester.
7617	Oct. 1915	*¶SIMPSON, HARRY TREVOR	28, Albany Road, Blackburn cashire.
8654	Oct. 1921	*¶SIMPSON, JAMES GRANT	1222, Argyle Street, Glasgow.
8920	Jan. 1922	SIMPSON, VICTOR H.	3, Duke Street, Adelphi, W.C.2
8307	Oct. 1920	*SIMPSON, WILLIAM LEONARD ..	Horsecroft, Bury St. Edm Suffolk.
6117	Feb. 1911	*¶SIMS, NUGENT WOOLCOTT	P.W.D., Batticaloa, Ceylon, and 25, Greenhill Road, Harl N.W.
8655	Oct. 1921	*¶SINDEN, LESLIE WILLIAM	43, Stoke Road, Guildford.
7936	Nov. 1918	*¶SINGLETON, JAMES NEIL	5, Felsgrove Road, Scarbrough
5774	Oct. 1909	*¶§SISSONS, WILLIAM WYRILL ..	Waterloo Manor, Garforth, near
5775	Oct. 1909	*SKEEN, ERNEST ALEXANDER ..	H.M. Office of Works, Storey's S.W.
8308	Oct. 1920	*¶SKEET, NORMAN JOHN	4, Lebanon Road, Croydon, S
4615	Oct. 1905	SKEFFINGTON, THOMAS ASHFORD	158, Milverton Boulevard, wood Avenue, Toronto, O. Canada.
4526	Oct. 1904	*¶SKELT, FREDERICK MITCHELL ..	50, Threadneedle Street, E.C.2
3166	Feb. 1897	*¶SKINGLE, ALFRED CHARLES	24, Hawarden Avenue, Hern S.E.24.
8656	Oct. 1921	*¶SKINNER, ROBERT ELLMAN	179, Horninglow Street, Burt Trent.
7377	Oct. 1913	*¶SKINNER, RUSSELL EDWARD ..	147, Windmill Street, Grav Kent.
6859	Oct. 1912	*¶SKIPPER, REGINALD HAYWARD ..	40, Greengate, Stafford.
7378	Oct. 1913	*SKITMORE, THOMAS	Rugeley, Staffs.
6981	Feb. 1913	*SKITT, ROWLAND COLLEY	The Sudan Plantations Synd Zeidab, Sudan.
4527	Oct. 1904	*SLADDIN, ARNOLD GLADSTONE ..	Hove Edge, Lightcliffe, Yorks
1050	Jan. 1884	SLADE, ISAAC	The Hey, Claremont Road, West Cheshire.
4066	Oct. 1902	*SLATER, ARTHUR JAMES	Seremban, F.M.S.
8657	Oct. 1921	*¶SLATER, GEOFFREY BRIAN	7, St. Helen's Road, Norbury, (Surrey).
8658	Oct. 1921	*¶SLIPPER, REGINALD OWEN	Avondale Park, Walmer I N. Kensington, W.11.
4797	Oct. 1905	*SMALLBONE, HENRY JAMES	Streatley-on-Thames, Berkshire
7695	Nov. 1916	*¶SMITH, ALFRED ERNEST	3, Vernham Road, Plumstead,
7379	Oct. 1913	*¶SMITH, ARTHUR DOUGLAS NOEL	
6862	Oct. 1912	*SMITH, ARTHUR FREDERICK	23, Caddington Road, Crick N.W.2.
4068	Oct. 1902	*¶SMITH, ARTHUR KITSON	120, Judd Street, W.C.
7937	Nov. 1918	*¶SMITH, ARTHUR WILFRID LUCIUS	The Rectory, Methby, nr. L

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1913	*SMITH, CHARLES HERBERT ..	3rd Floor, Municipal Buildings, Greenock.
Oct. 1899	*SMITH, DOUGLAS.. .. .	Orford Estate Office, Thwaite, Erpingham, Norfolk.
Oct. 1905	*SMITH, EDMUND GEORGE ..	c/o Messrs. Harland & Sons, Barnet, Herts.
Oct. 1913	*SMITH, EDWIN, A.R.I.B.A. ..	26, London Road, Neath, S. Wales.
Oct. 1911	*SMITH, ERNEST DISRAELI ..	9, Spring Gardens, S.W.
Oct. 1911	*SMITH, ERNEST LEONARD..	East Mount, Sandown, Isle of Wight.
Oct. 1911	*SMITH, EWART WALLACE ..	512, Gloucester Road, Horfield, Bristol.
Oct. 1903	*SMITH, FRANK HALL ..	Surveyor's Office, Sheringham, Norfolk.
Nov. 1918	*SMITH, FREDERICK DUKES ..	77, Deodar Road, Putney, S.W.15.
Oct. 1921	*SMITH, FREDERICK SUTTON ..	45, Bute Road, Wallington, Surrey.
Oct. 1914	*SMITH, GEOFFREY	78, Parchment Street, Winchester, Hants.
Oct. 1907	*SMITH, GEORGE STUART ST. JOHN	Ivy House, High Street, Uckfield, Sussex.
Oct. 1913	*SMITH, HAROLD	6, Tennyson Road, Bedford.
Oct. 1907	*SMITH, HAROLD SANKEY ..	Stafford House, St. Leonards-on-Sea.
Oct. 1913	*SMITH, HARRY	42, Devonshire Street, Keighley, Yorks.
Oct. 1903	*SMITH, HARRY VINCENT ..	54, Raynten Road, Penge, S.E. (Surrey).
Oct. 1905	*SMITH, HERBERT FREDERICK GEORGE	Estate Office, Waldershare Park, Dover.
Oct. 1912	*SMITH, HERBERT GORDON..	Sunnyside, Monkseaton, Northumberland.
Oct. 1915	*SMITH, JAMES DOUGAN	22, McAllister Avenue, Clarkton, Airdrie, N.B.
Oct. 1906	*SMITH, JOHN EDWARD	Shipley Fields, Frizinghall, Bradford.
Oct. 1907	*SMITH, JOHN HAROLD.. ..	Fernleigh, Queen's Road, Uxbridge, W. (Middlesex).
Oct. 1905	*SMITH, PERCIVAL.. .. .	Valley Farm, Coddensham, near Ipswich.
Oct. 1921	*SMITH, RUPERT THOMAS WILLIAM	47, Lower Fant Road, Maidstone.
Oct. 1919	*SMITH, VICTOR CHARLES COMPTON	Malford Lodge, Malford Grove, Snaresbrook, E.18 (Essex).
Nov. 1916	*SMITH, WALTER DANIEL	3, Castellain Mansions, Maida Vale, W.
Oct. 1905	*SMITH, WILLIAM BOULTON, B.SC., A.M.I.C.E.	Borough Engineer & Surveyor, Maison Dieu House, Dover.
Oct. 1911	*SMYTH-RICHARDS, FREDERICK GEORGE	Filleigh Lodge, near South Molton, N. Devon.
Nov. 1900	*SNAILUM, WALTER WADMAN ..	Church Street and Wingfield Road, Trowbridge, Wilts.
Oct. 1920	*SNEATH, PHILIP GEORGE ..	134, Audley Road, Hendon, N.W.4 (Middlesex).

The Surveyors' Institution.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
7386	Oct. 1913	*¶SNELL, CHARLES FREDERICK ..	Municipal Offices, Singapore.
3266	Oct. 1897	*SNOW, HENRY CYPRIAN	8, Pocklington's Walk, Leicester.
6864	Oct. 1912	*SORRELL, GODFREY ALFRED VICTOR	19, Boston Avenue, Southend-on- Essex.
5034	Oct. 1906	*SORRELL, HAROLD VALENTINE..	38, Clarence Street, Southend-on-
6377	Oct. 1911	*SOURAY, EDWIN GUY	247, West End Lane, Hamp- N.W.6.
3267	Oct. 1897	*SOUTHCORBE, JOHN CHARLES ..	Bridge Buildings, Barnstaple, L
7939	Nov. 1918	*SOUTHGATE, CHARLES CROUCH..	Twyford, Berks.
6278	Oct. 1911	*SOUTHGATE, FREDERICK JOHN..	11, Acacia Road, Norbury, S. (Surrey).
8661	Oct. 1921	*¶SPARK, GEORGE	16, Bridge Street, Aberdeen.
8662	Oct. 1921	*¶SPARKES, ROBERT HENRY ..	Hamilton Hall, Felixstowe.
6866	Oct. 1912	*¶SPARKS, FERNLY GEORGE..	Royal Naval Cordite Factory, I Heath, near Wareham, Dorset
3495	Feb. 1899	*SPEAKMAN, JOHN MCCLURE ..	Quarantine Service, Tor, via Egypt.
6867	Oct. 1912	*SPEED, SYDNEY CHARLES	7, Chase Green Avenue, E Middlesex
1906	Nov. 1890	*SPELMAN, WILLIAM WILTON RIX	Bank Plain, Norwich.
6868	Oct. 1912	*¶SPENCER, ALBERT EDWARD ..	Land Office, Entebbe, Uganda. East Africa.
5578	Feb. 1909	*SPENCER, AUBREY VERE, MAJOR, D.S.O.	Sutton Bridge, Lincolnshire.
4267	Oct. 1903	*SPENCER, FRANCIS AUGUSTUS	Architect's Department, London Council, S.W.
6379	Oct. 1911	*SPINK, JAMES	15, Wingate Road, Ravens Park, W.
6380	Oct. 1911	*SPRY, WILLIAM MURRAY STRADDAR	Head Office, P.W.D., George Brisbane, Queensland.
3430	Oct. 1898	*STALLARD, HAROLD ORLANDO ..	Estate Office, Audley End, S Walden, Essex.
5036	Oct. 1906	*STAMFORD, ALFRED ARTHUR ..	23, Lower Green Road, Esher, S
8663	Oct. 1921	*STANFORD, FRANK ERLYSMAN	County Offices, Dorchester.
8316	Oct. 1920	*¶STANHAM, ALAN FRANCIS GORDON	"Heatherley," Copthorne, Cr Sussex.
8664	Oct. 1921	*¶STANHAM, HUGH GORDON ..	Heatherley, Copthorne, Crawle sex.
5540	Oct. 1908	*STANIER, THOMAS MACPHERSON	Duchy of Cornwall Office, Li Cornwall.
8311	Oct. 1920	*¶STANILAND, DOUGLAS LENTON	11A, High Street, Doncaster,
6381	Oct. 1911	*STANLEY, GEORGE, A.M.I.C.E. ..	P.W.D., Sierra Leone, W. Africa
6054	Oct. 1910	*¶STANLEY, GERALD	Queen's Chambers, Cardiff.
6055	Oct. 1910	*STANLEY, OWEN GEOFFREY, CAPT.	c/o Messrs. Grindlay & Co., B and Agents, Bombay, Indi

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1921	*STANSFIELD, HUBERT RIGG ..	Roche Dene, Victoria Road, Cleveleys, nr. Blackpool.
Oct. 1908	*STAPLETON, GEORGE AUBREY ..	44, Chestnut Road, West Norwood, S.E.27.
Oct. 1921	*¶STARK, JAMES TOD.. ..	Clarkfield, Helensburgh, Dumbartonshire.
Oct. 1919	*STEARN, FRANK	The Garden House, Nowton Court, Bury St. Edmunds, Suffolk.
Oct. 1910	*STEDFORD, JOHN BRITTON ..	189, Selhurst Road, South Norwood, S.E. (Surrey).
Oct. 1901	*STEDMAN, CHARLES FREDERICK..	Glendhu, Preston Grove, Yeovil Somerset.
Oct. 1913	*¶STEDMAN, ERNEST WALTER ..	17, Parkgate Road, Wallington, Surrey.
Oct. 1904	*STEEDS, HERBERT EUSTACE ..	c/o Couchman & Steeds, 75, New Street, Birmingham.
Oct. 1921	*STENHOLM, ADOLPH HENNING	15, Woodlands Road, Ilford.
Oct. 1915	*¶STEPHEN, DUNCAN JOSEPH ..	Mollington, Chester.
Oct. 1921	*¶STEPHEN, JOHN, JUN.	30, Coronation Drive, Blundellsands, Liverpool.
Oct. 1909	*STEPHENSON, CHAMBRE CORCOR STILLINGTON	Corcastle, Innishannon, Co. Cork.
Nov. 1918	*STEPHENSON, JOHN PICKERING..	Estate Office, Milford, near Stafford.
Oct. 1904	*STEPHENSON, ROBERT BARNARD	"Waycot," Stafford Road, Lichfield.
Oct. 1913	*STEVENS, ALFRED GEORGE ..	c/o F. Stevens, Esq., 4, Western Buildings, The Prazze, Penryn, Cornwall.
Oct. 1921	*¶STEVENS, GILBERT MAJOR	22, Broxash Road, S.W.11.
Oct. 1920	*¶STEVENS, HERBERT COOPER	6, Barn Street, Marlborough, Wilts.
Oct. 1910	*¶STEVENS, LEWIS JOHN	78, Milton Road, Hanwell, W. (Middlesex).
Oct. 1913	*STEVENS, ROLAND HONYEL ..	7, Hobart Place, Grosvenor Gardens, S.W.1.
Oct. 1910	*¶STEVENSON, ALEXANDER EWING	Blawarthill, Scotstown West, Glasgow.
Feb. 1914	*STEWART, GEORGE EDWARD ..	Rio Preto S.P.N., Estado de São Paulo, Brazil.
Oct. 1921	*¶STEWART, ALASTAIR MAC- DONALD	Duncutha, Dalmuir, Dumbartonshire.
Oct. 1912	*¶STEWART, ALEXANDER WYPER..	18, Bruntsfield Avenue, Edinburgh.
Oct. 1921	*¶STEWART, CUTHBERT BERTRAM	29, Stanhope Road, Darlington.
Oct. 1912	*¶STEWART, NEIL	3, Gourie Place, Perth Road, Dundee.
Oct. 1920	*¶STEWART, THEOPHILE LECOMPTÉ	Cairnsmuir, Llanelly, South Wales.
Oct. 1913	*¶STEWART, WILLIAM HINTON ..	
Oct. 1919	*¶STICKLAND, ALBERT EDWARD ..	Romford R.D.C., 16A, South Street, Romford.

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7394	Oct. 1913	*¶STILES, ARTHUR	Lincoln House, Ponder's End, Middlesex.
5281	Oct. 1907	*¶STILES, HERBERT	20, Temple Sheen Road, East S.W. (Surrey).
4807	Oct. 1905	*¶STIMSON, DOUGLAS CECIL	52, Brixton Hill, S.W.
3630	Feb. 1900	*¶STIMSON, EDWARD FREDERICK	12, Hillbury Road, Tooting Common, S.W.17.
3270	Oct. 1897	*¶STIMSON, HERBERT PERCY ..	12, New Kent Road, S.E.
3737	Oct. 1900	*STOCKINGS, ARTHUR PERRY, MAJOR, C.B.E.	17-19, Cockspur Street, S.W.1.
6382	Oct. 1911	*STOKES, EDGAR EDWARD	26, Victoria Grove, Kensington,
7941	Nov. 1918	*STONE, GEORGE SARBATT NOKE	c/o Messrs. Tyler & Co., 45, Ho Viaduct, E.C.1.
7395	Oct. 1913	*¶STONE, LEONARD VICTOR	Broadway House, Bromley, Ke
5783	Oct. 1909	*STOPHER, GEORGE	Corbiere, Maurice Road, King's B Birmingham.
7942	Nov. 1918	*STOREY, VERNON LESLIE	c/o Sevenoaks Farmers' Auction Sevenoaks, Kent.
6375	Oct. 1912	*¶STORRY, FREDERICK WILLIAM SCOTT	3, Charlton Road, Weston-super-Somerset.
8672	Oct. 1921	*STOTT, CHARLES GRANVILLE ..	12, Dorlcote Road, Wandsw Common, S.W.18.
6063	Oct. 1910	*¶STOTT, HERBERT WHARTON ..	Valuation Department, Inland Re Market Square, Lancaster.
828	Dec. 1882	STOWER, JOSEPH	43, Chancery Lane, W.C.
6064	Oct. 1910	*¶STRACHAN, ROBERT GORDON ..	23, Sisters Avenue, Lavender S.W.11.
6065	Oct. 1910	*¶STRATTON, PHILIP	21, Walton Street, Aylesbury, B
7397	Oct. 1913	*¶STRETTON, JOHN WILLIAM ..	196, Strand, W.C.
5284	Oct. 1907	*STRIDE, WALTER OSBORN	Messrs. Stride and Son, 63, Street, Chichester.
8673	Oct. 1921	*¶STRINGER, RHODES	15, Elsdon Road, Gosforth, castle-on-Tyne.
6066	Oct. 1910	*¶STROUD, ALBERT WILLIAM ..	51, Graemesdyke Avenue, East S S.W.14 (Surrey).
3739	Oct. 1900	*¶STRUDWICK, FRANK EDWARD ..	12, Freelands Road, Bromley,
4273	Oct. 1903	*¶STRUDWICK, PHILIP	14, Croft Villas, Green Lane, Eltham, Kent.
4274	Oct. 1903	*¶STRUTT, JOHN JAMES	Whitelands, Witham, Essex.
8314	Oct. 1920	*¶STUART, CHARLES FRASER ..	30, George Square, Glasgow.
3134	Oct. 1896	*STUBBING, RICHARD WEBB	14, Queen Anne's Gardens, Busl Park, Enfield.
6067	Oct. 1910	*STUBINGTON, ROBERT ALAN ..	Survey Office, Kuala Lumpur, F
6384	Oct. 1911	*STUBINGTON, WILLIAM HENRY ..	Survey Office, Kuala Lumpur, F
1578	Feb. 1889	*STUCKE, WILLIAM HENRY, A.R.I.B.A.	P.O. Box 2271, Johannesburg, B

Date of Election.	PROFESSIONAL ASSOCIATES.	Address
Jan. 1886	*STURGESS, JOHN MOORE	Penshurst Park, near Tonbridge, Kent.
Oct. 1905	*STURT, LESLIE	Highgate Station (G.N.R.), N. (Middlesex), and 61, High Street, Highgate, N.6.
Oct. 1909	*SUGDEN, ALBERT JOWETT	2, Claremont Terrace, Newton Hill, Wakefield.
Jan. 1891	*SUMMERFIELD, JOSEPH CHARLES	43, Chancery Lane, W.C.
Oct. 1921	*¶SUMMERS, JAMES WILLIAM ..	10, Neville Street, Newcastle-on-Tyne.
Oct. 1914	*¶SUMMERSELL, JAMES GLEED ..	29, Strawberry Hill Road, Strawberry Hill, Middlesex.
Oct. 1906	*SUNDERLAND, AMOS	113, Sydenham Road North, Croydon.
Oct. 1901	*SURREY, CHRISTOPHER WILLIAM	22, Buckingham Gate, S.W.1.
Oct. 1913	*SUTCLIFFE, WILLIAM, A.R.I.B.A.	31, Strines Road, Walsden, near Todmorden, Lancs.
Oct. 1921	*¶SUTHERLAND, ALEXANDER ..	101, Cromwell Road, Strathbungo, Glasgow.
Feb. 1906	*SUTTON, CECIL N. STAFFORD; CAPT., M.B.E.	Estate Office, Brockenhurst, Hampshire.
Oct. 1898	*SWAN, HARROLD	18, Wandle Road, Upper Tooting, S.W.
Jan. 1922	SWINSTEAD, BERNARD R. ..	329, Trinity Road, Wandsworth, S.W.18.
Oct. 1911	*SYKES, CYRIL	7, Blenheim Street, W.1.
Nov. 1918	*¶SYMES, ALFRED GEORGE ..	3, Bridge Place, Pinner, Middlesex.
Oct. 1902	*SYMES, WILLIAM CHARLES ..	45, New Bond Street, W.1.
Oct. 1911	*SYMONS, CECIL FREDERICK ..	Devonia, North Town, Ashby-de-la-Zouch.
Oct. 1913	*TACK, ARTHUR WILLIAM	27, Midland Terrace, East Avenue, Keighley, Yorkshire.
Nov. 1909	*TAIT, JOHN WILSON	34, St. Andrew Square, Edinburgh.
Oct. 1907	*TALBOT-PONSONBY, ARTHUR HUGH BRABAZON	17, Victoria Street, S.W.
Oct. 1906	*¶TALLON, JOSEPH FRANCIS ..	1, Bold Square, Chester.
Oct. 1921	*TANDY, ALFRED HENRY ..	The Briers, Southville Road, Thames Ditton, Surrey.
Oct. 1913	*TAPLIN, GEORGE AUBREY ..	8, John Street, Adelphi, W.C.
Oct. 1904	*TATE, HENRY TINDALL	County Hall, Beverley, Yorkshire.
Oct. 1907	*TAYLOR, ALFRED MOULTON ..	21, Church Hill, Leamington, Warwickshire.
Oct. 1910	*¶TAYLOR, ARTHUR BRASSEY ..	74, Foxley Lane, Purley, Surrey.
Oct. 1921	*¶TAYLOR, CECIL GEORGE ..	18, Grange Drive, Winchmore Hill, N.21 (Middlesex).
Oct. 1909	*TAYLOR, FREDERICK HALE ..	Land Manager, Bombay Port Trust, Bombay.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
5546	Oct. 1908	*TAYLOR, GEORGE ARTHUR.. ..	Surveyor's Office, Bedwellty U.I. Aberbargoed, Mon.
8078	Oct. 1919	*TAYLOR, GEORGE AUSTEN.. ..	3, St. Ann's Terrace, Lewes, Sussex.
7401	Oct. 1913	*TAYLOR, GEORGE SCARBOROUGH	Buntingford, Herts.
5790	Oct. 1909	*TAYLOR, HAROLD TOM	15, Windsor Tee, Uplands, Swansea.
3274	Oct. 1897	*TAYLOR, JOHN FRANCIS WHITE..	3, Lincoln's Inn Fields, W.C.
6879	Oct. 1912	*TAYLOR, JOHN HOWARTH	13, Queen's Gate, Bolton, Lancs.
7947	Nov. 1918	*TAYLOR, LEONARD JOE	11, Long Lane, Blackheath, Birmingham.
3904	Oct. 1901	*TAYLOR, RUSSELL LEIGH	The Cottage, Maiden Bradley, Bath.
3906	Oct. 1901	*TAYLOR, SAMUEL DAVIS	Priory Bank, Monmouth.
6880	Oct. 1912	*TAYLOR, SHEPHERD HOAD, A.M.I.C.E.	Valuation Dept., Inland Revenue, 78, King Street, Manchester.
6073	Oct. 1910	*TAYLOR, WALTER FLOYD	95, Whitworth Road, S. Norw. Surrey.
8922	Jan. 1922	TAYLOR, WALTER H.	25, Normanton Avenue, Wembley Park, S.W.19 (Surrey).
4811	Oct. 1905	*TAYLOR, WILLIAM GRAHAM ..	59, Lynton Road, Springfield I. Acton (Middlesex).
7402	Oct. 1913	*TAYLOR, WILLIAM KENNETH WENTWORTH	Engineer's and Surveyor's Department, Urban District Council, Willesden (Middlesex).
7403	Oct. 1913	*TAYLOR, WILLIAM THOMAS PERCY	25, Third Avenue, Kidsgrove, Staff. on-Trent.
4813	Oct. 1905	*TEASDALE, GEORGE WILLIAM ..	Surveyors' Department, Guildford, Swansea.
6882	Oct. 1912	*TEBBIT, CHARLES LEONARD ..	Brainton, Hatfield, Broad Oak, I. low, Sussex.
4542	Oct. 1904	*TEMPLE, ALFRED	41, High Street, Southend-on-Ex. Essex.
6392	Oct. 1911	*TEMPLETON, STANLEY JAMES ..	56, Criffel Avenue, Streatham I. S.W.2.
5596	Oct. 1899	*TERRY, FRANCIS WILLIAM.. ..	Low Royd, St. Olave's Road, York.
8678	Oct. 1921	*TEW, THOMAS	The Square, Norton Canes, nr. C. nock, Staffs.
2316	Oct. 1920	*THAIN, ARTHUR ROBERT ..	Melbourn Villa, Morton Street, Royston, Herts.
6074	Oct. 1910	*THAKE, ROBERT FREDERICK WILLIAM	Gleadlands, Newtown Road, New Berks.
6982	Feb. 1913	*THATCHER, IVAN JAMES	Resident Engineer's Office, Tilbury Docks, Essex.
7404	Oct. 1913	*THAYER, JOHN DIAMOND	1, Harringay Avenue, Liverpool.
6393	Oct. 1911	*THICKPENNY, CHARLES REGINALD, A.R.I.B.A.	36, Hendford Hill, Yeovil, Somers.
6118	Feb. 1911	*THOBURN, HUGH FORSYTH ..	Kent House Estate Offices, Kent House, Beckenham.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1913	*¶THOMAS, ALFRED CHRISTOPHER LLEWELLYN	Allen's Cottage, Hunton, near Maidstone.
Feb. 1906	THOMAS, ALFRED WILLIAM ..	Director of Works Department, Admiralty, S.W.
Oct. 1905	*THOMAS, ARTHUR JOHN	Eastfield, St. Thomas, Swansea.
Nov. 1918	*THOMAS, BERNARD CAMPBELL ..	Bank Chambers, 222, Great Dover Street, S.E.
Oct. 1903	*THOMAS, ERNEST JAMES	Executive Engineer, P.W.D. Coomassie, W. Africa.
Oct. 1910	*THOMAS, FREDERICK CHARLES ..	Stanford, Churchfields, Woodford, Essex.
Oct. 1913	*THOMAS, FREDERICK MOWBRAY	Survey Dept., Uganda Protectorate, via Kenya Colony, E. Africa.
Oct. 1909	*¶THOMAS, JAMES HUGH TREMAYNE	7, Woodville Road, Ealing, W. (Middlesex).
Oct. 1919	*THOMAS, JOHN RODERICK	County Surveyor's Dept., Haverford West, Pembrokeshire.
Oct. 1902	*THOMAS, PERCIVAL HARTLAND ..	10, St. John Street, Bristol.
Oct. 1912	*THOMAS, THOMAS DAVID	182, High Street, Treorchy, Glam.
Oct. 1921	*THOMAS, WILLIAM JOHN	12, Glyncote Road, Treorchy, Glam.
Oct. 1912	*THOMAS, WILLIAM REGINALD ..	222, Great Dover Street, S.E.1.
Oct. 1907	*THOMPSON, ALFRED ALEXANDER	Trym, Putney Heath Lane, Putney, S.W.
Oct. 1910	*THOMPSON, ARNOLD JOHN	15, Earlsfield Road, Wandsworth, S.W.
Oct. 1912	*¶THOMPSON, ARTHUR TAYLOR ..	Fairhaven, Albert Road West, Heaton, Bolton, Lancs.
Oct. 1894	*THOMPSON, CLAUDE WILLIAM GEORGE HUGH	Estate Office, Escrick, York.
Nov. 1916	*¶THOMPSON, FRANCIS LONGSTRETH	Summerhill, Riddlesdown Road, Purley, Surrey.
Oct. 1893	*THOMPSON, FREDERICK HUBERT	20, Corn Market, Derby.
Oct. 1907	*THOMPSON, FREDERICK WILLIAM	39, Cato Road, Clapham, S.W.4.
Oct. 1921	*THOMPSON, HENRY CLARENCE	77, St. George's Avenue, Tufnell Park, N.7.
Oct. 1903	*†THOMPSON, JOHN CLULOW	Westerby House, Smeeton, Leicester.
Oct. 1894	*THOMPSON, JOSEPH ATHERDEN ..	8, Southampton Street, Bloomsbury Square, W.C.1.
Oct. 1908	*THOMPSON, NEWTON DUKINFIELD	
Mar. 1895	*¶THOMPSON, ROLAND O'BRIEN ..	Messrs. J. Rider, Hunt and Co., Bridge House, 181, Queen Victoria Street, E.C.
Oct. 1915	*¶THOMPSON, THOMAS, JUN... ..	Red House, Methley, near Leeds.
Oct. 1906	*THOMPSON, THOMAS ERRINGTON	Estate Office, Swarcliffe, Birstwith, via Leeds.
Oct. 1920	*THOMSON, COLIN THOMAS	15, Wellington Street, Edinburgh.
Oct. 1912	*¶THOMSON, DAVID... ..	County Court Buildings, Elvet Water-side, Durham.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
4543	Oct. 1904	*THOMSON, HERBERT D. . . .	7, Warwick Court, High Holborn, W.C.1.
6889	Oct. 1912	*THOMSON, JAMES BLACK, A.M.I.C.E.	Town Hall, Southall, Middlesex.
8681	Oct. 1921	*THORBURN, JAMES	18, Brandon Street, Motherwell
8318	Oct. 1920	*THORNE, CAPT. ARTHUR PERCEVALE	49, Wyndham Road, Salisbury.
6079	Oct. 1910	*THORNLEY, HAROLD VICTOR . .	Flat 8, 21, Grove Road, Clapton, S.W.12.
6395	Oct. 1911	*THORPE, ARTHUR RALPH . . .	5, Lyndhurst Road, Peckham, S.
7410	Oct. 1913	*THORPE, RAYMOND WILLIAM . .	210, Marylebone Road, N.W.1.
7949	Nov. 1918	*THORPE, WILLIAM FREDERICK . .	17, Cardwell Road, Tufnell Park, (Middlesex).
7950	Nov. 1918	*THURGOOD, CYRIL JAMES . . .	Much Hadham, Herts.
4545	Oct. 1904	*THWAITES, ARTHUR MILBANK . .	59, Bedford Street, Plymouth.
8682	Oct. 1921	*TICKLE, RONALD GLENN . . .	29, Ferntower Road, Highbury Park, N.5.
7624	Oct. 1915	*TIDDY, DAVID GEORGE REGINALD.	Assistant Surveyor's Office, Bournemouth, Cornwall.
4083	Oct. 1902	*TIDEY, HERBERT GORDON. . . .	3, Pentonville Road, Islington, N.
5045	Oct. 1906	*TIDMARSH, CHARLES BAILLIE . .	13, Springfield Road, St. Leonards, Sussex.
6396	Oct. 1911	*TIPPEN, JOHN HALL	142, Warwick Road, Carlisle.
7411	Oct. 1913	*TIPPEN, THOMAS WILLIAM . . .	142, Warwick Road, Carlisle.
7636	Oct. 1914	*TILL, TOM RYMER	23, High Street, Chepstow,
8683	Oct. 1921	*TIMBS, ARTHUR CLAUDE . . .	36, Finstock Road, W.10.
7625	Oct. 1915	*TITCHMARSH, STANLEY RAY . .	63, St. Mildred's Road, Lee, S.E.
3908	Oct. 1901	*TITTERTON, SYDNEY GEORGE PENN	Strand Estate Office, Southend-on-Sea, Essex.
4817	Oct. 1905	*TIVENDALE, THOMAS	Highgate Station, G.N.R., N. (Middlesex), and 61, High Street, Highgate, N.6. (N.W.)
7952	Nov. 1918	*TIVY, RYDER VAUGHAN	The British South Africa Co., 1 Dept., Livingstone, N. Rhodesia.
4548	Oct. 1904	*TOBIAS, MAURICE.	Architect's Dept., L.C.C. New College Hall, S.E.1.
6891	Oct. 1912	*TODD, BENJAMIN JOSEPH GRAVES	1, Hamilton Gardens, St. John's Wood, N.W.
4550	Oct. 1904	*TOLEY, ERNEST ALBERT	Horsenden Farm, Sudbury, H.
6397	Oct. 1911	*TOLEY, FRANK	154, Uxbridge Road, Hanwell, (Middlesex).
7412	Oct. 1913	*TOLL, STANLEY	69, Calcott Road, Brondesbury, (Middlesex).
8923	Jan. 1922	TOMKINS, HUGH C.	10, Lancaster Road, Belsize Park, N.W.3.
5046	Oct. 1906	*TOMKINS, SAMUEL EDWARD . .	Kennington, Mill Hill, Cowes, I. of Wight.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1903	*¶TOMLIN, WILLIAM, JUN. . . .	Castle Pool House, Hereford.
Oct. 1920	*TOMLINSON, FRED	Station Road, Brimington, Chesterfield.
Oct. 1919	*¶TOMMIS, GEORGE HAROLD	Ravenswood, Wilmslow, Cheshire.
Oct. 1912	*¶TOMSON, MAYNARD	1/0 Messrs. Hall, Wateridge & Owen, High Street, Shrewsbury.
Oct. 1911	*¶TONG, FREDERICK NORMAN	44, Church Road, Smithills, Bolton, Lancs.
Oct. 1920	*¶TOOVEY, JAMES ROWLAND	73, Gladstone Road, Watford, Herts.
Oct. 1896	*TOWN, HENRY ANNANDALE	25, St. George's Terrace, Jesmond, Newcastle-on-Tyne, and 5, Market Street, Newcastle-on-Tyne.
Oct. 1900	*TOWNLY, RONALD STARKEY	Rosebank, Downs Court Road, Purley, Surrey.
Feb. 1913	*TOWNSEND, CECIL PHILIP	Lawnfield, Castle Hill, Maidenhead, Berks.
Oct. 1907	*TOWNSEND, EDWARD ALDRIDGE	45, Riverway, Palmer's Green, N. (Middlesex).
Oct. 1911	*¶TRACY, BERNARD DAVID, A.R.I.B.A.	Limoilou, Croxley Green, S.O., Herts.
Oct. 1913	*TRENCH, WALDO TALBOT	Penjerrick, Falmouth, Cornwall.
Oct. 1920	*TRESTAIN, ALBERT EDWARD	18, Whitecross Road, Weston-super-Mare, Somerset.
Oct. 1921	*¶TRIGG, ROBERT	15, North Street, Bishop Stortford, Herts.
Oct. 1915	*¶TRINDER, WILLIAM MERRICK	44, Claremont Road, Teddington, Middlesex.
Oct. 1909	*TROLLOPE, FRANCIS HENRY MOORE	13, Hobart Place, S.W.
Oct. 1910	*¶TROLLOPE, ROBERT JOHN	25, Mount Street, W.
Oct. 1912	*TROTTER, GERARD	Messrs. Sworder, Knight & Trotter, Epping.
Oct. 1907	*¶TROWBRIDGE, FRANK WILLIAM	18, Borough High Street, London Bridge, S.E.
Nov. 1918	*TUDHOPE, JAMES NEWBIGGING	2, Florence Drive, Giffnock, Renfrewshire.
Oct. 1904	*TURNBULL, ROBERT ERNEST	Wilton Estate Office, Salisbury.
Oct. 1907	*TURNER, ALBURY CHARLES	Springdale, Glebe Villas, Hove, Sussex
Oct. 1911	*TURNER, ALEXANDER WAKE- FIELD	Highfield House, Guildford, Surrey.
Oct. 1921	*TURNER, ANTHONY WHITE- LOCK	Home Farm, Broome Hall, nr. Dorking.
Oct. 1910	*¶TURNER, AUGUSTUS GARDNER	Westbourne House, Richmond Road Twickenham, Middlesex.
Oct. 1913	*TURNER, DOUGLAS WARNER	Langwith Lodge, Mansfield, Nottinghamshire.
Oct. 1897	*TURNER, DRYSDALE	18, Waterloo Road, Southampton.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
3601	Oct. 1899	*¶TURNER, HENRY	121, Watling Street Road, Fulw near Preston, Lancs.
4819	Oct. 1905	*TURNER, HENRY CHARLES PETTIT	204, Croydon Road, Anerley, (Surrey).
3279	Oct. 1897	*TURNER, HERBERT	49, Deansgate, Manchester.
5796	Oct. 1909	*TURNER, JOSCELIN MAITLAND	British Legation, Copenhagen, D mark.
7954	Nov. 1918	*TURNER, LEONARD CECIL	Earl of Wilton's Estate, Radcl Lancashire.
1394	May 1887	*TURNER, PERCY	Dale Hall, Henley Road, Ipswich
3746	Oct. 1900	*TURNER, VINCENT	Town Hall, Rotherham.
6402	Oct. 1911	*TURNER, WILFRID ARCHER ..	Union Chambers, Ashton-under Lyne, Lancs.
8686	Oct. 1921	*¶TURNS, LESLIE WALTER ..	94, Fairfield Road, Winchester.
8322	Oct. 1920	*TURVILL, OSCAR FREDERICK	301, King's Road, Kingston-on Thames.
6900	Oct. 1912	*¶TWEEDIE, JAMES IRVING, A.R.I.B.A.	11, Sandringham Terrace, Greeno
8323	Oct. 1920	*¶TYDEMAN, ARTHUR EDGAR ..	15, Lansdowne Gardens, S.W.8.
2612	Oct. 1893	*¶TYLER, WILLIAM BOTT	Estate Department, L. and. N. W. Euston Station, N.W.
6404	Oct. 1911	*TYMMS, DOUGLAS JAMES	"Woodroyd," Nob Lane, Ship Yorks.
8687	Oct. 1921	*¶TYRER, JOHN MORGAN HOW- ARD	H.M.O.W., Lion Street, Congle Cheshire.
6084	Oct. 1910	*¶TYSON, GEORGE ALFRED	Park View, Bayham Road, Seven Kent.
1168	May 1884	UDNY, AUGUSTUS CHARLES	142, Springfield Road, Brighton
5298	Oct. 1907	*ULLYETT, LESLIE GEORGE STANTON	13, Pinewood Road, Gerrard's C Bucks.
4820	Oct. 1905	*¶UPTON, THOMAS HERBERT	66, Station Road, Horsham, Susse
8324	Oct. 1920	*¶USHER, WILLIAM ARTHUR ..	c/o Messrs. Masey & Harrison, St. Andrews Street, Bloemfor S. Africa.
8688	Oct. 1921	*¶USHERWOOD, JAMES, JUN. ..	107, Maryhill Road, Glasgow.
8924	Jan. 1922	VALE, THOMAS A.	16, Darlington Street, Wolver hampton.
8325	Oct. 1920	*¶VALLANCE, DAVID	17, Dalnair Street, Yorkhill, Glas
6085	Oct. 1910	*VANSTONE, FREDERICK WILLIAM ELLIOTT	Council Offices, Windermere, W morland.
4552	Oct. 1904	*VARDY, CHARLES ALFRED SILVER	Carlton, Lansdowne Avenue, Sl Bucks.
7420	Oct. 1913	*¶VEAL, WILFRED HENRY	174, Showell Green Road, Spar Birmingham.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1897	*¶ VEIT, LEONARD JAMES	7, Ebury Bridge Road, S.W.
Oct. 1921	*¶ VICKERY, RAYMOND MILTON ..	Nailsborne, Taunton.
Oct. 1911	*¶ VILLAR, PHILIP LOVIBOND ..	Tauntfield House, Taunton, Somerset.
Oct. 1901	* VINCE, CLEMENT HARWOOD ..	Survey Department, Colombo, Ceylon.
Oct. 1909	* VINCE, FREDERIC HAROLD ..	Kesterton, Alexandra Road, Watford, Herts.
Oct. 1911	*¶ VINT, JAMES HENRY WHITE ..	111, Valkyrie Road, Westcliff-on-Sea, Essex.
Oct. 1913	* VINTER, PAMPLIN MAULDIN ..	5, High Road, Wood Green, N. (Middlesex).
Oct. 1904	* VOISEY, PERCY DEERING ..	Casilla, 455, Antofagasta, Chili.
Feb. 1913	*¶ WADDELL, GAVIN	Weston Bank, Plains, Airdrie, N.B.
Oct. 1911	* WADDINGTON, WILLIAM ..	55, Nelson Road, Highams Park, E.4 (Essex).
Oct. 1921	*¶ WADE, GODFREY NEWTON ..	County Hall, Newport, Mon.
Feb. 1888	* WADE, HENRY	10, Pitt Street, Barnsley, Yorkshire.
Nov. 1918	* WADE, WILLIAM BERTRAM ..	The Hawthorns, Garforth, near Leeds.
Oct. 1907	* WADMAN, ALBERT JOHN ..	6, Rue de l'Ancienne Bourse, Alexandria, Egypt.
Oct. 1909	*¶ WADSLEY, MICHAEL JAMES ..	27, Dover Street, Hull.
Oct. 1907	* WADSWORTH, JAMES MOFFATT ..	7, Crabtree Lane, Harpenden, Herts.
Oct. 1913	* WAGGETT, CYRIL FREDERICK ..	40, Addison Gardens, W.14.
Oct. 1920	* WAITE, GEORGE DAWSON ..	"Brynteg," Middleton St. George, Co. Durham.
Oct. 1911	*¶ WALFORD, SIDNEY THOMAS ..	c/o Young & Gilling, Promenade, Cheltenham, Glos.
Oct. 1910	* WALKER, CECIL EDWARD ..	Surrey County Council Small Holdings Committee, 86, Eccleston Square, Westminster, S.W.1 [Surrey Branch].
Oct. 1910	*¶ WALKER, CYRIL HERBERT ..	138, Ash Road, Headingley, Leeds.
Nov. 1918	* WALKER, IRWIN	Sanitary Engineer, c/o Messrs. Cox's, Bombay, India.
Oct. 1912	* WALKER, JAMES CHALMERS ..	16, Panmuir Road, Cottenham Park, S.W. (Surrey).
Oct. 1909	* WALKER, JOHN WILLIS ..	Bryn-onen, Castleton Avenue, Garden Village, Treherbert, Glam.
Oct. 1911	* WALKER, VINCENT STANLEY ..	The Mart, Albion Place, Leeds.
Oct. 1919	* WALKER, WILFRID ARTHUR ..	10, Cotham Gardens, Redland, Bristol.
Oct. 1913	*¶ WALKER, WILLIAM ALBERT, A.M.I.C.E..	Borough Engineer's Office, Town Hall, Salford.

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7957	Nov. 1918	*WALKER, WILLIAM LEONARD, CAPT.	6, Montague Road, Wimbledon, S (Surrey).
3024	Jan. 1896	*§WALKER, WILLIAM SELVES ..	22, Moorgate Street, E.C.
4287	Oct. 1903	*¶WALL, IRVING	Ivydene, New North Road, Hud field, Yorkshire.
7958	Nov. 1918	*WALLACE, JOHN CRAIG	Roseholm, Hurlford, Ayrshire.
4556	Oct. 1904	*WALLER, BERTRAM HANNEN ..	17, Above Bar, Southampton.
7428	Oct. 1913	*¶WALLIS, AUSTIN SERJEANT ..	Town Hall, St. Marylebone, N.W.
8691	Oct. 1921	*¶WALLIS, ERNEST DETTMAR ..	The Shelter, Bowes Road, Wa on-Thames, Surrey.
4289	Oct. 1903	*¶WALTER, SYDNEY JAMES	Temple Bar House, 23-28, Street, E.C.
7429	Oct. 1913	*WALTERS, PERCY THOMAS.. ..	3, Arnold Mansions, Queen's Gardens, W. Kensington, Y
5052	Oct. 1906	*¶WALTERS, WILLIAM DAVID ..	1, Llanfair Road, Penygraig, Glamo shire.
6410	Oct. 1911	*¶WARBRICK, GEORGE NEWTON ..	Pool House, Silecroft, Cumberlan
8082	Oct. 1919	*WARD, ARMAND DOUGLAS.. ..	"Normandy," Grange Avenue, V ford Green, Essex.
7431	Oct. 1913	*¶WARD, CECIL GORDON	44, Headland Park, Plymouth, D
4085	Oct. 1902	*WARD, EDWARD JOHN	1, Burgoyne Villas, Alma P Plymouth.
7537	Oct. 1914	*¶WARD, FRANK, JUN.	Burnville, Tavistock, Devon.
5303	Oct. 1907	*¶WARD, JOHN ELDON	10, Wynsdale Road, Bolton, L
8327	Oct. 1920	*¶WARD, LIONEL ERIC	21, Surrey Street, Strand, W.C.
8328	Oct. 1920	*¶WARD, PASCOE LEIGH	"Brooklands," Tavistock, Dev
8692	Oct. 1921	*¶WARD, RAYMOND JOHN	25, Uxbridge Road, Hanwell, (Middlesex).
7960	Nov. 1918	*¶WARDER, DONALD	Room 61c, 4th Floor, H.M. Off Works, Storey's Gate, S.W.1.
7432	Oct. 1913	*WARDILL, HERBERT ROY	District Survey Office, Mar Egypt.
6092	Oct. 1910	*WARNER, BLAIR MARTIN	Heatherley, Shedfield, Hants.
6908	Oct. 1912	*WARREN, JOHN WATKIN	19A, Sud Park, Marienburg, Col
8329	Oct. 1920	*¶WASS, ARNOLD CROWTHER ..	82, Willingham Street, Grimsb
7728	Oct. 1917	*¶WASTELL, CHARLES HEDLEY ..	4, College Street, Swansea.
6411	Oct. 1911	*¶WATERS, ALBERT EDWARD.. ..	162, Ferndale Road, Clapham, S
8693	Oct. 1921	*¶WATERS, IVOR ARTHUR.. ..	12, Croftdown Road, N.W.5.
7538	Oct. 1914	*¶WATKINS, JOHN OLIVER	10 & 11, St. Helens Road, Swa Glam.
6909	Oct. 1912	*WATKINS, ROBERT	149, Luckwell Road, Bedmin Bristol.
7433	Oct. 1913	*¶WATNEY, RONALD DENDY.. ..	4A, Frederick's Place, E.C.
6093	Oct. 1910	*WATSON, ALBERT RICHARD ..	3, Broadway Avenue, East Tw ham, Middlesex.
6910	Oct. 1912	*WATSON, ARTHUR BRIGGS	52, College Drive, Rock Ferry, Ch
6911	Oct. 1912	*WATSON, CHARLES WILLIAM ..	39, Clarendon Road, Trowbrid

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1921	*¶ WATSON, THOMAS	34, Pinewood Road, Swansea.
Oct. 1919	* WATT, ALEXANDER	Irlside, Holmbrook, Cumberland.
Oct. 1901	*¶ WATT, ALEXANDER LINDSAY ..	Muncaster Estate Office, Ravensglass, Cumberland.
Nov. 1916	*¶ WATT, SYDNEY CHARLES	68, Drayton Park, Highbury, N.
Oct. 1911	* WATTS, FRANCIS HENRY	Sandleheath, near Salisbury.
Oct. 1903	*¶ WATTS, FREDERICK SPRING ..	38, Sloane Street, S.W.
Oct. 1912	* WATTS, WILLIAM HARRY	18, Brookfield Avenue, Bishopston, Bristol.
Oct. 1896	* WEAVER, HENRY PERCIVAL	
	FRANCIS	Lye, Stourbridge, Worcestershire.
Oct. 1909	*¶ WEAVER, LIONEL HUNTER ..	43, Cromford Road, Wandsworth, S.W.18.
Dec. 1888	* WEBB, FREDERIC NOEL	Ministry of Agriculture, 10, Whitehall Place, S.W.1.
Oct. 1920	*¶ WEBB, HUGH VICTOR	
	CARTHORN	Oak Croft, Chirk, Denbighshire.
Oct. 1912	* WEBB, REGINALD ACHESON ..	6, Carbery Avenue, East Southbourne, Bournemouth.
Oct. 1912	*¶ WEBB, ROLAND DRURY	17, Albany Terrace, Worcester.
Oct. 1908	* WEDDELL, ROBERT HUSTON ..	Park Villa, Uddingston, Lanarkshire.
Oct. 1898	* WEEKES, CYRIL SWAFFER	Estate Offices, Guildford.
Oct. 1906	*¶ WEEKS, PERCY BERTRAM	32, Hopwood Gardens, Tunbridge Wells.
Oct. 1912	* WEIR, EDWARD	Municipal Technical College, Brighton.
Oct. 1913	* WEIR, WILLIAM LOGAN	Burgh Buildings, Hamilton, Lanarkshire.
Oct. 1912	*¶ WELCH, CECIL JOSEPH MARSH ..	The Folly, Dunmow, Essex.
Nov. 1918	* WELCH, JAMES COLIN	Warwick Road, Hale, Cheshire.
Oct. 1913	* WELER, CYRIL GORDON RAMSAY	10, Cranbury Terrace, Southampton.
Oct. 1919	* WELER, WILLIAM ARTHUR	25, St. Thomas Street, Winchester.
Oct. 1921	*¶ WELLS, LESLIE STUART DEAN	96A, High Road, Leyton, Essex.
Oct. 1920	* WELLS, REGINALD GEORGE	210, Upper Richmond Road, Putney, S.W.15.
Oct. 1913	* WEST, PHILIP	104, Brondesbury Road, Kilburn, N.W. (Middlesex).
Oct. 1912	* WEST, SIDNEY ARTHUR HENRY ..	
Oct. 1900	* WEST, SIDNEY HERBERT	
Oct. 1912	* WEST, SYDNEY HENRY	Resident Architect's Office, Hayes U.D.C., Middlesex.
Oct. 1920	*¶ WEST, TERENCE COLIN	26, West Side, Wandsworth, S.W.18.
Oct. 1906	*¶ WESTBROOK, BERNARD ANSON ..	Fire Brigade, Head Quarters, Calcutta.
Oct. 1903	*¶ WESTBROOK, CHARLES EDWARD	Calverley Parade, Tunbridge Wells.
Apr. 1883	WESTON, JOSEPH AURELIUS	83, High Street, Bedford.

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7962	Nov. 1918	*WESTROP, ARTHUR RICHARD, MAJOR, M.C.	11, Carnac Street, Calcutta, India.
8696	Oct. 1921	*¶WESTROPE, VICTOR RUSSELL	52, Denbigh Street, S.W.1.
3755	Oct. 1900	*WETENHALL, EDWARD BOX, A.R.I.B.A.	Wyken, Woodside, Wimbledon, Surrey.
8085	Oct. 1919	*WHALLEY, JOHN RICHARD BRIMALL	The Mart, Fratton Bridge, Portsmouth.
7439	Oct. 1913	*WHEELER, ARTHUR CARRUTHERS	Architect, H.M.I. Maritime Customs Office, Shanghai.
7630	Oct. 1915	*¶WHEELER, ERNEST BOSTOCK . .	Eaton Chambers, 50, Buckingham Palace Road, S.W.1.
7729	Oct. 1917	*¶§WHEELER, JOHN CAFFIN . . .	116, Walton Road, East Molesey, Surrey.
6097	Oct. 1910	*WHEELER, LEONARD CHARLES . .	Woodville, Orchard Road, Havant, Hants.
4825	Oct. 1905	*WHEELER, PERCY HARRISKINE	"Easebourne," Midhurst, Sussex.
8697	Oct. 1921	*¶WHEELER, REGINALD HARRY	78, Oxford Gardens, North Kensington, W.10.
6098	Oct. 1910	*¶WHESKER, JOHN EDWARD . . .	27, Trinity Road, Wood Green, (Middlesex).
7963	Nov. 1918	*WHIPP, JOHN ROLAND	Woodley, Sylvan Avenue, Basingstoke, Hampshire.
6119	Feb. 1911	* WHITAKER, GEORGE	Engineer's Department, Fylde Water Board, Sefton Street, Blackpool, Lancashire.
8698	Oct. 1921	*¶WHITAKER, STEPHEN EDWARD	32, Rockmount Road, S.E.19.
4090	Oct. 1902	*WHITE, ARTHUR VIVIAN	The Poplars, North End, Portsmouth, Hampshire.
5555	Oct. 1908	*WHITE, HERBERT PRATT	Hillbrow, Loose, near Maidstone.
8334	Oct. 1920	*WHITE, JOHN	Grand Hotel Buildings, Elgin, Scotland.
6416	Oct. 1911	*WHITE, JOHN, JUN.	9, Millbrae Crescent, Langside, Glasgow.
8086	Oct. 1919	*WHITE, ROYDON HANSFORD . .	14A, Cavendish Place, Cavendish Square, W.
7964	Nov. 1918	*WHITE, TALIESYN GWYN, CAPT., M.C.	Caecerrig, Pontardulais, Glam.
3025	Jan. 1896	*WHITE, WILLIAM	137, Pilgrim Street, Newcastle-on-Tyne.
6921	Oct. 1912	*WHITEFIELD, STANLEY PARKIN . .	94, The Avenue, Ealing, W. (Middlesex).
6923	Oct. 1912	*WHITELEY, ROBERT HENRY . .	Whitwood Hall, Normanton, Yorkshire.
8699	Oct. 1921	*¶WHITEMAN, OBED ARTHUR JOHN	46, Sackville Road, Hove.
6457	Feb. 1912	*WHITNEY, EUSTACE SCOTT . .	11, Morella Road, Wandsworth Common, S.W.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Oct. 1911	*WHITTINGHAM, ROBERT CECIL, N.D.A.	2, Zetland Terrace, Norton, Malton, Yorks.
Oct. 1920	*WHITTINGTON, HAROLD NORMAN	173, Lorrimore Road, Kennington Park, S.E.17.
Oct. 1913	*WHITTLE, HENRY	4, Queen's Square, Blackpool.
Oct. 1902	*WHITTON, HAROLD WILLIAM ..	County Court, County Chambers, Northampton.
Nov. 1918	*WHORWELL, HAROLD ERNEST ..	48, Elmwood Road, Chiswick, W.4. (Middlesex).
Oct. 1905	*WICKENDEN, ARTHUR FRED ..	34, Overstrand Mansions, Battersea Park, S.W.11.
Oct. 1905	*WICKENDEN, ERNEST	City Surveyor's Office, Town Hall, Manchester.
Oct. 1910	*WICKER, JOHN OWEN	9, Belmont Road, Wallington, Surrey.
Oct. 1912	*WICKHAM, CEDRIC HUMPHREY ..	c/o Standard Bank of South Africa, Nairobi, Kenya Colony, B.E.A.
Oct. 1912	*WIGGINTON, FRANCIS ARTHUR ..	7, Old Cross, Hertford.
Oct. 1908	*WIGHTMAN, AUGUSTUS FRED-ERICK	2, Savile Terrace, Stanley Road, Wakefield.
Feb. 1897	*WIGRAM, HENRY JOSEPH	Whitehouses, Retford, Notts.
Nov. 1918	*WILD, ALBERT	2, Grafton Street, Hyde, Cheshire.
Jan. 1896	*WILDE, SIDNEY ALGERNON ..	29, Fleet Street, E.C.4.
Oct. 1921	*WILDMAN, HERBERT ROBINSON	28, Cromwell Road, N.11.
Oct. 1909	*WILKES, GEORGE THOMAS	Post Office House, Kildare, Ireland.
Oct. 1903	*WILKES, JOHN FISKE, M.A. (Cantab.)	Elmdon Bury, Saffron Walden, Essex.
Oct. 1913	*WILKES, SIDNEY MARSHALL ..	45, Lady Margaret Road, Southall, W. (Middlesex).
Oct. 1921	*WILKIE, JOHN MACDOUGALL ..	683, Pollokshaws Road, Strathbungo, Glasgow.
Nov. 1918	*WILKINS, EUSTACE HARRY ..	4, Normanby Terrace, Whitby, Yorkshire.
Oct. 1911	*WILKINS, HERBERT RANDOLPH ..	1, Denzil Road, Guildford.
Oct. 1913	*WILKINSON, FRED	162, Long Lee, Keighley, Yorks.
Oct. 1920	*WILKINSON, HENRY THEODORE	Brentor, Tavistock, Devon.
Oct. 1920	*WILKINSON, JOSEPH PATTERSON	"Brookside," Starling Road, Radcliffe, Manchester.
Oct. 1921	*WILKINSON, WILLIAM HENRY	Ivy Bank, Swires Road, Halifax.
Oct. 1913	*WILKS, MARK	c/o J. R. Eve & Son, 45, Parliament Street, S.W.1.
Oct. 1913	*WILLETT, HUGH	6, Bushmead Avenue, Bedford.
Oct. 1905	*WILLIAMS, CHARLES	6 and 7, Broad Street, Oxford.
Oct. 1897	*WILLIAMS, DANIEL SMITH	6, Llanedeyrn Road, Penylan, Cardiff.
Oct. 1908	*WILLIAMS, FRANK MCCLURE ..	La Barn, Dunsfold, Surrey.
Nov. 1918	*WILLIAMS, HAROLD CEDRIC ..	72, Victoria Road, Birkenhead.
Oct. 1913	*WILLIAMS, HOWARD	Westbury, Plasterton Avenue, Cardiff.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
8708	Oct. 1921	*¶ WILLIAMS, JOHN JOSEPH ..	Llanarth Estate Office, Newydd Mon.
8339	Oct. 1920	*¶ WILLIAMS, JOHN PRITCHARD	New Courts Chambers, 57-58, Chancery Lane, W.C.2.
4568	Oct. 1904	*¶ WILLIAMS, JOSEPH BERTRAM ..	54, Church Street, St. Helens, Lancashire.
7450	Oct. 1913	* WILLIAMS, MORRIS HUGHES ..	Islwyn, Glan Conway, N. Wales.
3444	Oct. 1898	* WILLIAMS, PETER LLOYD ARMSTRONG	Map Dept., Land Registry, Lincoln Inn Fields, W.C.2.
6929	Oct. 1912	*¶ WILLIAMS, RICHARD JOHN ..	13, North Villas, Camden Square, N.
8087	Oct. 1919	* WILLIAMS, THOMAS VICTOR ..	Byfield, Clydach, Swansea Valley.
6930	Oct. 1912	*¶ WILLIAMS, TOM LAWRENCE ..	Goshen, Stratford Road, Hall Green, Birmingham.
8340	Oct. 1920	*¶ WILLIAMS, WALTER LLEWELYN	78, Blakenall Lane, Walsall.
5558	Oct. 1908	* WILLIAMS, WILLIAM ALFRED ..	26, Sydney Buildings, Bath.
5312	Oct. 1907	* WILLIAMS, WILLIAM HENRY ..	7, Fort Terrace, Barnstaple, Devon.
5559	Oct. 1908	* WILLIAMS, WORTHINGTON ERIC	Guildhall, Nottingham.
6931	Oct. 1912	*¶ WILLIAMSON, EDWIN LAWRENCE	207, Union Street, Aberdeen.
6932	Oct. 1912	*¶ WILLIS, GEORGE	35, Newton Road, Urmston, Manchester.
6933	Oct. 1912	* WILLIS, STANLEY SCOTT	Survey Department, Nairobi, British East Africa.
8704	Oct. 1921	*¶ WILLIS, THOMAS	22, Hornby Terrace, Morecambe.
4831	Oct. 1905	*¶ WILLMOTT, JAMES PERCEVAL ..	65, Goldhawk Road, W.
3140	Oct. 1896	*¶ WILLOUGHBY, CHARLES ALBERT	22, Chancery Lane, W.C.
1083	Jan. 1884	WILLOUGHBY, CHARLES WILLIAM	22, Chancery Lane, W.C.
4096	Oct. 1902	*¶ WILLOUGHBY, FRANK	Maylands, London Road, Hailsham, Sussex.
8705	Oct. 1921	*¶ WILSHERE, REGINALD SHARMAN	47, London Road, Chelmsford.
8706	Oct. 1921	*¶ WILSON, ALEXANDER JOHN MACKELL	12, Summerfield Terrace, Aberystwyth.
8088	Oct. 1919	*¶ WILSON, BERTRAM	Windyridge, Tadcaster, Yorks.
4569	Oct. 1904	*¶ WILSON, GEORGE LEOPOLD ..	c/o Palmer and Turner, Union Buildings, No. 4, The Bund, Shanghai.
7451	Oct. 1913	* WILSON, GERALD HERBERT ..	Ellinthorpe Hall, Boroughbridge, Yorkshire.
2472	Nov. 1891	* WILSON, JAMES CALVERT	Newcastle Estate Office, The Grange, Nottingham.
2555	Nov. 1892	* WILSON, JOHN HAYES	11, Penford Street, Camberwell, S.E.
8423	Oct. 1911	* WILSON, MARSHALL LANG	Estate Office, Ladykirk, Monmouthshire.
6987	Feb. 1913	* WILSON, REGINALD MAITLAND ..	
7452	Oct. 1913	*§ WINBOURNE, GOODMAN GEORGE, A.R.I.B.A.	35, Bucklersbury, E.C.4.
8341	Oct. 1920	* WINDEMER, OLAF SYDNEY ..	253, Lavender Hill, S.W.11.
8707	Oct. 1921	* WINTER, JAMES DUFFIE	16, Walton Street, Gateshead, Tyne, Durham.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1908	*WINTLE, ARTHUR.. . . .	Walter House, 418, Strand, W.C.
Oct. 1908	*WISE, WILLIAM CHARLES .. .	Kenmure, Reynolds Road, Beaconsfield, Bucks.
Oct. 1913	*WOMACK, OSWALD CEDRIC.. .	Survey Department, Ceylon.
Oct. 1901	*WONNACOTT, HOWARD JOHN .. .	40, Elsie Road, East Dulwich, S.E.
Oct. 1909	*WONNACOTT, JAMES PALMER .. .	50, Queen Street, Exeter.
Oct. 1920	*WOOD, ARTHUR JOHN .. .	6, Mount Street, Grosvenor Square, W.1.
Oct. 1911	*WOOD, FRANK HOUSEDEN.. .	17, Queens Road, Bromley, Kent.
Oct. 1913	*WOOD, HARRY GEORGE .. .	7, Wellington Road, Handsworth, Birmingham.
Oct. 1901	*WOOD, HERBERT CALVERT .. .	Chesters Estate Office, Humshaugh-on-Tyne, S.O., Northumberland.
Oct. 1911	*WOOD, JOHN OGDEN .. .	62, Outwoods Street, Burton-on-Trent.
Oct. 1919	*WOOD, PERCY JOHN .. .	103, Florence Road, Stroud Green, N. (Middlesex).
Oct. 1912	*WOODBIDGE, WILLIAM EDWARD, A.M.I.C.E.	39, Brightwell Avenue, Westcliff-on-Sea.
Oct. 1913	*WOODBURN, WILLIAM.. . . .	Dougalston Terrace, Milngavie, Dumbartonshire.
Oct. 1911	*WOODCOCK, WILLIAM.. . . .	11, St. Hilda Road, Folkestone, Kent.
Oct. 1913	*WOODMAN, GREENWOOD .. .	90, Bolton Road, Kemsley, nr. Bolton, Lanes.
Oct. 1913	*WOODROFFE, NORMAN FREDERIC	5, Bedford Row, W.C.1.
Oct. 1911	*WOODS, HENRY EDWARD ANZANI	23, Kingsland High Street, E.8.
Oct. 1912	*WOOLCOCK, WILLIAM THOMAS HARRY	H.M. Office of Works, King Charles Street, S.W.1.
Oct. 1910	*WOOLDRIDGE, ARTHUR MAINWARING	193, Alrington Avenue, Northampton.
Oct. 1915	*WOOLF, EMANUEL	12, Devonport Street, Hyde Park, W.2.
Oct. 1912	*WOOLLASTON, THOMAS WILLIAM	Glenside, Davenport Road, Tettenhall Staffs.
Oct. 1914	*WOOLLEY, JOHN LEYLAND .. .	Rectory Place, Loughborough, Leicestershire.
Feb. 1897	*WOOLNOUGH, TOM	Oakleigh, 182, Chase Side, Southgate, N. 14 (Middlesex).
Oct. 1913	*WOOTTEN, CHARLES STANLEY .. .	16, Rue des jardins des plantes, Calais Pas de Calais, France.
Oct. 1896	*WORDSWORTH, CHRISTOPHER .. .	Brooklands, South Godstone, Surrey.
Feb. 1909	*WORLAND, HENRY JOHN .. .	35, High Street, Kingston, Surrey.
Oct. 1805	*WORLEY, FREDERICK HORACE .. .	Parr's Bank Buildings, George Lane, Woodford, Essex.
Oct. 1904	*WORRALL, BERTRAM	Rectory Farm House, Steeple Aston, Oxford.
Oct. 1920	*WORTERS, CHARLES COWLEY.. .	Agricultural Department, Armstrong College, Newcastle-on-Tyne.

Dip. No.	Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
6120	Feb. 1911	*¶ WORTH, GEORGE PEARCE . . .	The Homestead, Windmill Road, Ealing, W. (Middlesex).
3883	Oct. 1897	* WRIGHT, ERNEST BERESFORD FITZHERBERT	
7543	Oct. 1914	*¶ WRIGHT, GEORGE THOMAS . .	Stacey House, Crouch Street, Chester.
6941	Oct. 1912	*¶ WRIGHT, JAMES ALEXANDER . .	"Melbury," Grange Road, Bushey, Herts.
8344	Oct. 1920	* WRIGHT, JOHN	33, St. Paul's Square, York.
8708	Oct. 1921	* WRIGHT, JOHN	Brunswick House, Brunswick Square, Penrith.
3725	Oct. 1894	* WRIGHT, PHILIP CHETWOOD . .	Brattleby Hall, near Lincoln.
7462	Oct. 1913	* WRIGHT, WILLIAM NOEL . . .	Edwinstowe House, Edwinstowe, Newark, Notts.
7463	Oct. 1913	* WYLLIE, WILLIAM ALEXANDER .	59, Academy Street, Inverness.
7635	Oct. 1915	*¶ WYNNE, THOMAS STANLEY . .	County Surveyor's Office, County Buildings, Shrewsbury.
8541	Oct. 1921	*¶† WYNNE-JONES, ERIC . . .	Sigglesthorne Rectory, nr. Hull.
7464	Oct. 1913	* YARNALL, CHARLES WILLIAM . .	4, Fortescue Road, Bournemouth, Hants.
6430	Oct. 1911	* YATES, CHARLES WILLIAM . . .	Parklands, Tyndalls Park Road, Milton, Glos.
8709	Oct. 1921	*¶ YATES, FREDERICK GEORGE . .	175, Beechcroft Road, Upper Tooting, S.W.17.
6431	Oct. 1911	* YATES, HAROLD	50, Lynwood Road, Blackburn.
8090	Oct. 1919	*¶ YATES, JOHN	Osterley, Mowbray Road, Chatsworth, Sydney, N.S.W.
6989	Feb. 1913	* YATES, WILFRID ARCHIBALD . .	43, Great Marlborough Street, London.
5319	Oct. 1907	* YELF, JACK ROBERT	The Manor House, Kingsbridge, Devon.
6432	Oct. 1911	* YEO, WILLIAM HENRY	Caegarw, Court Colman, Bridgwater, Glamorganshire.
3616	Oct. 1899	*¶ YEWDELL, FRANCIS EDWARD . .	Borough Surveyor's Office, Town Hall, Richmond.
8710	Oct. 1921	*¶ YORK, ROBERT JOHN	7, Morley Road, Lewisham, S.E.
6105	Oct. 1910	*¶ YORK, WILLIAM HENRY, CAPT., R.E., A.M.I.C.E.	c/o Director of Public Works, Ministry of War, London.
5065	Oct. 1906	* YORKE, MAURICE FRANCIS . . .	20, Davies Street, Berkeley Square, W.1.

† Special Forestry Diploma.

Date of Election.	PROFESSIONAL ASSOCIATES.	Address.
Feb. 1910	*YOUNG, DAVID FERNÉE	East Street, Barking, Essex.
Oct. 1913	*YOUNG, DAVID WILBERFORCE, M.B.E.	Raven Chambers, Shrewsbury.
Oct. 1905	*YOUNG, HERBERT HENRY.. ..	11, Tankerville Road, Streatham, S.W.
Oct. 1907	*YOUNG, JAMES WEIR.. ..	Estate Office, Bishop Burton, Bever- ley, Yorkshire.
Oct. 1895	*YOUNG, WILLIAM	4, St. Peter's Street, St. Albans, Hert- fordshire.
Oct. 1921	*YOUNG, WILLIAM FREDERICK	Lenbury, Eastwood Road, Leigh- on-Sea.
Oct. 1906	*YOUNG, WILLIAM ROSS	Scottish Board of Health, Edinburgh.
Oct. 1911	*YOUNGS, SIDNEY.. ..	118, Melrose Avenue, Cricklewood, N.W.2.

Total Number of Professional Associates, 2,749, carried to Summary, page 210.

Associates.

Date of Election.	ASSOCIATES.	Address.
Oct. 1899	BARRY, CHARLES EDWARD ..	Parliament Mansions, Victoria Street Westminster, S.W.
Oct. 1910	BEALE, SIR JOHN FIELD, K.B.E.	5, Fenchurch Avenue, E.C.
Oct. 1906	BEALE, SYDNEY WILLIAM PHIPSON	3, Harcourt Buildings, Temple, E.C.
Oct. 1907	BIDDER, HAROLD FRANCIS, MAJOR, D.S.O., B.A. . . .	Ravensbury Manor, Mitcham, Surrey
Feb. 1899	BLACKSHAW, JOHN FRANK, O.B.E.	The Cottage, Bromsgrove, Worcester.
Oct. 1899	BOOTH, ERNEST WITTON, M.B.E., A.M.I.C.E.	4, Pump Court, Temple, E.C.
Oct. 1913	BOYLE, SIR EDWARD, BART. . .	1, King's Bench Walk, Temple, E.C.
Feb. 1884	BUND, JOHN W. WILLIS, C.B.E.	Shire Hall, Worcester.
Feb. 1908	CARDALE, WILLIAM HENRY ..	Old Catton, Norwich.
Oct. 1920	CARR, ARTHUR STRETTELL COMYNS	1, Temple Gardens, E.C.4.
Jan. 1891	CLARKE, SIR ERNEST	31, Tavistock Square, W.C., and c/o P. S. King and Sons, 2, Great Smith Street, Westminster, S.W.
Oct. 1917	COURTHOPE, GEORGE LLOYD, LIEUT.-COLONEL, M.C., M.P.	House of Commons, S.W.
Feb. 1900	COURTHOPE-MUNROE, SIR HARRY, K.C., M.A. (<i>Cantab.</i>)	3, Harcourt Buildings, Temple, E.C.4. and The Manor House, Kelsale, near Saxmundham, Suffolk.
Oct. 1897	CRESWELL, WILLIAM THOMAS, CAPT, LIC. R.I.B.A.	c/o Holt & Co., 3, Whitehall Place, S.W.1.
Feb. 1913	CROUCH, JAMES LEONARD ..	3, Brick Court, Temple, E.C.
Feb. 1910	DIBDIN, LEWIS GEORGE . . .	Ecclesiastical Commission, 1, Milk Street, S.W.1.
Oct. 1912	DOCKING, CARLTON WILLIAM	Roslyn, Barclay Road, Croydon.
Oct. 1898	DOWNIE, ALEX. FRANCIS MAC-KENZIE	Alton, Hants.

Date of Election.	ASSOCIATES.	Address.
1919	FORD, SOLOMON	3, Paper Buildings, Temple, E.C.4.
1878	FREEMAN, GEO. MALLOWS, K.C. (Associate of Council)	The Grey Friars, Winchelsea, Sussex.
1899	GRAHAM, WILLIAM VAUX, M.I.C.E.	5, Queen Anne's Gate, S.W.
1874	GRANTHAM, RICHARD FUGE, M.I.C.E. (Associate of Council)	5, Little College Street, Westminster Abbey, S.W.
1903	GRIERSON, JOHN CAMPBELL ..	Caperby, Mount Wood, Prenton Hill, Cheshire.
1909	GWYER, MAURICE LENFORD, C.B.	Ministry of Health, S.W.1.
1917	HAMER, HERBERT, MAJOR, R.E.	Northern Counties Club, Whitehall Court, S.W.1.
1897	HILL, JOHN SMITH, B.A., B.SC. (Lond.)	Estate Office, Greystoke, Penrith, Cumberland.
1919	HILLS, EUSTACE GILBERT, K.C...	2, Garden Court, Temple, E.C.
1887	HUDSON, ALFRED ARTHUR, K.C...	5, Paper Buildings, Temple, E.C.
1905	JEEVES, WILLIAM JOHN, C.B.E., K.C.	Farrar's Building, Temple, E.C.
1921	McMURRAY, ROBERT, M.C. ..	84, Ballygreen Road, Murrayfield, Edinburgh.
1919	MACASSEY, SIR LYNDEN LIVING- STONE, K.B.E., K.C.	3, Paper Buildings, Temple, E.C.
1905	MACKENZIE, KENNETH JAMES JOSEPH	Department of Agriculture, Cambridge.
1912	MEAD, LAWRENCE	5, Paper Buildings, Temple, E.C.
1906	MOULD, GRAHAM HARLEY.. ..	6, Pump Court, Temple, E.C.

Date of Election.	ASSOCIATES.	Address.
Feb. 1905	PAGE, ERNEST, K.C.	104, Elm Park Gardens, S.W.
Jan. 1882	RIGG, HERBERT ADDINGTON, K.C.	Wallhurst Manor, Cowfold, Sussex.
Feb. 1889	SETH-SMITH, ARCHIBALD	Silvermere, Cobham, Surrey.
Oct. 1910	SHROSBREE, ALBERT DE BOIS	c/o Bird & Co., 7, Gracechurch Street E.C., and Calcutta.
Oct. 1920	SMITH, DOUGLAS BEVINGTON . .	73, High Street, Chelmsford.
Jan. 1896	SOMERVILLE, WILLIAM, M.A., D.SC.	121, Banbury Road, Oxford.
Oct. 1920	THOMPSON, LEO ANTHONY . .	Room 22, Pearl Assurance Buildings 12, St. John's Lane, Liverpool.
Feb. 1909	THORNE, RICHARD SQUIRE, B.A. (<i>Cantab.</i>)	Nicoll Farm, Edgware, Middlesex, and Inner Temple, E.C.
Nov. 1918	TURNER, SYDNEY GEORGE, O.B.E., A.M.I.C.E.	3, Harcourt Buildings, Temple, E.C.
Oct. 1913	WATSON, WILLIAM ERNEST . .	9, Mitre Court Chambers, Temple, E.C.
Dec. 1917	WOOLNOUGH, JOHN WILLIAM . .	30, Seaside Road, Eastbourne, Sussex.

Total Number of Associates, 45, carried to Summary, page 210.

Colonial Fellows.

The names of those Colonial Fellows who have qualified by Examination for the Class of Professional Associate are distinguished thus *

The names of those Colonial Fellows who have qualified by Examination for the Class of Fellows are distinguished thus †

Date of Election.	COLONIAL FELLOWS.	Address.
Oct. 1915	ABRAHAM, PERCY LYONS ..	Surveyor to the Jamaica Government Railway, Kingston, Jamaica, B.W.I.
Oct. 1907	ABRAHAMS, CHARLES VICTOR	City Surveyor's Office, Kingston, Jamaica, B.W.I.
Feb. 1902	ALLEN, RAYMOND CECIL, C.M.G., A.M.I.C.E.	Land Officer, Dar-es-Salaam, Tanganyika Territory, East Africa.
A. Oct. 1901 C.F. April 1908	*ANDERSON, HENRY, A.M.I.C.E.	The Selangor Club, Kuala Lumpur, F.M.S.
A. Oct. 1910 C.F. Mar. 1920	ANNETT, ERNEST TAYLOR ..	Municipal Buildings, Bombay.
Oct. 1899	BAKER, WILLIAM ANTHONY..	Surveyor-General's Office, Kingston, Jamaica, B.W.I.
Oct. 1904	BANCROFT, AUGUSTUS CHARLES	Ladyfield, Golden Grove, Jamaica, B.W.I.
Oct. 1920	BARBER, HERBERT EUSTACE	Calcutta Improvement Trust, 5, Clive Street, Calcutta.
A. Oct. 1911 C.F. Oct. 1918	*BARKER, HOWARD WILLIAM	22, Broadway, Madras, India.
A. Oct. 1895 C.F. April 1911	*BELL-JOHN, HARRY, CAPT., M.C.	District Engineer, Public Works Department, Johannesburg.
Oct. 1915	BLANDFORD, STANLEY CHARLES HOOPER	Chief Engineer, Cia Carbonifera-y-de Fundicion, Schwager, Coronel, Chile, S. America.
Oct. 1921	BLIZARD JAMES MORTIMER	The Municipality, Colombo, Ceylon.
A. Oct. 1905 C.F. April 1914	*BLOMFIELD, CHARLES GEOFFREY	13, Rajpur Road, Delhi, India.
Oct. 1919	BONE, CHANDOS ERIC ..	Assist. Superintendent, Survey Dept., Batu Gajah, F.M.S.
A. Oct. 1896 C.F. July 1917	*BRADSHAW, ARTHUR STANLEY, A.M.I.C.E.	Assist. D.W.P., Sierra Leone, W. Africa.
Oct. 1921	BROWN, WALTER JAMES ..	The Municipality, Signapore, Straits Settlements.
A. Oct. 1901 C.F. July 1920	BROWNE, EUSTACE MONTAGUE	c/o B.C.A. Agent, Chinde, Portuguese East Africa.
A. Oct. 1901 C.F. April 1921	BROWNING, SYDNEY BRODERICK	Mazabuka, North Rhodesia.
A. Oct. 1909 C.F. Oct. 1921	*† BUNNY, JOSEPH	15, Grange Park, Ealing, W. (Middlesex).

Dip. No.	Date of Election.	COLONIAL FELLOWS.	Address.
1922	F. Jan. 1891 C.F. Dec. 1910	BURCHELL, SIDNEY HERBERT	504, West Fen Avenue, Redlands, California, U.S.A.
4645	A. Oct. 1905 C.F. Oct. 1910	*BURSTAL, ARTHUR CYRIL ..	c/o H. S. King & Co., 9, Pall Mall, S.W.
7544	Oct. 1914	CHALMERS, JAMES SUTHERLAND	8, Ravensbourne Park, Catford, S.E.
4147	A. Oct. 1903 F. Jan. 1909 C.F. Oct. 1913	*CLARK, HUDSON OWEN ..	Assistant Superintendent of Survey, Ceylon.
5564	Oct. 1908	COGHLAN, HENRY LAKE ..	"Holme Chase," St. George's Avenue, Weybridge, Surrey.
4338	Oct. 1905	COOPER, JOSEPH A. W., A.M.I.M.E., CAPT... ..	Dharwar, India.
6944	Oct. 1912	COUSIN, ROBERT	c/o Jos Post Office, Northern Nigeria
6945	Oct. 1912	COWLING, JOHN WILLIAM ..	Public Works Department, Pretoria, South Africa.
5835	Feb. 1910	CUERDEN, FREDERICK JAMES	Palm Cottage, Nagpur, Central India.
6436	Oct. 1911	DE SILVA, CHARLES PETER ..	Carlton House, Moratuwa, Ceylon.
6218	A. Oct. 1911 C.F. July 1921	DICKSON, REGINALD HERBERT BRUCE	Hoboken, Umbali, S. Rhodesia
5662	A. Oct. 1909 C.F. April 1921	EAMES, LEGH FAIRFAX ..	Nakuru British East Africa.
4408	A. Oct. 1904 C.F. Nov. 1909	*EDWARDES, WILLIAM ARNOLD DONALDSON	Royal Survey Dept., Kuala Lumpur, F.M.S.
4412	P.A. Oct. 1904 C.F. July 1920	*ERMENT, CUTHBERT EMIL ALBERT	Kuching, Sarawak, Borneo, via Singapore.
5565	Oct. 1908	FIRR, THOMAS FREEMAN ..	P.W.D., Ennebba, Uganda.
714	Oct. 1921	FLETCHER, JOSIAH MONK ..	P.W.D., Kingston, Jamaica.
4686	A. Oct. 1905 F. Mar. 1920	*FORTUNE, SIDNEY HERBERT, CAPT. R.E.	Imperial War Graves Commission, 110, Rue Reine Olga, Salonika
4595	Feb. 1905	FOSTER, EDWARD	The Cottage, Montego Bay, Jamaica.
4168	A. Oct. 1903 C.F. Oct. 1910	*GAIRDNER, KENNETH GRAEME	The Bombay Burmah Trading Corporation, Bangkok, Siam.

Date of Election.	COLONIAL FELLOWS.	Address.
Oct. 1921	GALT, RALPH TEMPLETON	Surveyor-General's Office, Kingston, Jamaica.
Oct. 1912	*GEE, ARTHUR HAROLD ..	P.O., Kampala, Uganda, E. Africa.
Feb. 1904	GILL, JAMES HERBERT WAIN- WRIGHT	Park Cottage, Sedgford, Norfolk.
Oct. 1901	GODFREY, CHARLES HENRY, M.I.C.E.	c/o J. Pook & Co., 68, Fenchurch Street, E.C.3.
A. Oct. 1903	*GRIFFITHS, OWEN	Oficina del Ingeniero, Ferro Carril del Sud, Calle Guanahani, 322, Plaza Constitución, Buenos Aires.
F. Nov. 1904		
C.F. July 1907		
Feb. 1904	GURNEY, JAMES STRATTON ..	Thomason Civil Engineering College, Roorkee, India.
Oct. 1920	HARDIE, FRANCIS WILLIAM	22, Balfour Street, North Berwick
A. Oct. 1905	*HARRISON, HAMILTON PAYN	Surveyor General's Office, Colombo, Ceylon.
C.F. Oct. 1915		
A. Oct. 1903	*HARRISON, WILLIAM	Box 200, Bloemfontein, South Africa.
C.F. June 1912		
A. Oct. 1909	*HEALD, HARRY MAIR	Ministry of Agriculture, Damanhur, Lower Egypt.
C. F. July 1917		
A. Oct. 1910	*HINGSTON, CECIL VICTOR ..	Chief Valuer, Calcutta Improvement Trust, 5, Clive Street, Calcutta.
C.F. Oct. 1914		
A. Oct. 1899	*HOOD-DANIEL, HERBERT ..	Norwich, Port Antonia, Jamaica.
C.F. Nov. 1921		
A. Oct. 1898	*HOWGRAVE-GRAHAM, GEORGE ERNEST	Public Works Dept., Union Buildings, Pretoria, Transvaal.
C.F. July 1913		
Oct. 1919	HUSBAND, CHARLES THOMAS MAIN	c/o Surveyor General, Kuala Lumpur, Selangor, F.M.S.
A. Oct. 1913	*JACKSON, NORMAN	7, Lancaster Road, Brighton.
C.F. Dec. 1920		
A. Oct. 1907	*KIRK, ALLAN	P.W.D. Offices, Hong Kong.
F. Oct. 1920		
A. Oct. 1903	*LABDON, HERBERT GEORGE ..	The Rhodes Building, St. George's Street, Cape Town.
F. Oct. 1919		
A. Oct. 1908	LAKE, WALLACE STRICKLAND	Public Works Department, Freetown, Sierra Leone, West Africa.
C.F. July 1916		
A. Oct. 1905	*LAVARACK, HAMLETT UNITT	Villa Frou Frou, Juan les Pins, Alpes Maritime, France.
F. Jan. 1917		
C.F. Mar. 1920		

Dip. No.	Date of Election.	COLONIAL FELLOWS.	Address.
5085	A. Feb. 1907 C.F. Oct. 1913	*LEES, HENRY BERRY, M.C., A.M.I.C.E.	Commissioner of Works, Suva, F.
5566	Oct. 1908	LERMIT, ARTHUR ALFRED ..	South Johol Estate, Tampin. N Sembilan, F.M.S.
5719	A. Oct. 1909 C.F. June 1914	*LOWDEN, ANDREW.. . . .	Shendi, Soudan, N. Central Africa
8350	Oct. 1920	McANDREW, GEORGE DOUGLAS, MAJOR	Don Bank House, Bridge of Aberdeen, N.B.
3634	F. Oct. 1900 C.F. Jan. 1904	McCAW, GEORGE TYRRELL, B.A.I. (<i>Dublin</i>)	War Office, Whitehall, S.W.1
3056	June 1896	MCGAHAN, AMOS HARVEY ..	May Pen, Jamaica, B.W.I.
7556	Feb. 1915	MACGILLWRAY, JOHN WALKER	Hillcote, St. Joseph, Trinidad.
8351	Oct. 1920	McNAMARA, RUPERT AUGUSTUS	Odessa Lodge, Castries, St. L B.W.I.
7703	Nov. 1916	McTURK, WILLIAM HENRY ..	c/o Dept. of Lands and Mines, Ge Town, British Guiana.
4031	A. Oct. 1902 F. July 1905 C.F. Oct. 1909	*MAY, PHILIP JOHN.. . . .	Survey Department, Badulla, Cey
7469	Oct. 1913	MELVIN, WILLIAM GEORGE, A.M.I.C.E.	Engineer and Assessor, Municipal Howrah, India.
2977	A. Oct. 1895 C.F. Oct. 1920	*MENMUIR, ROBERT WILLIAM	National Mutual Buildings, Ch Square, Cape Town.
3868	A. Oct. 1901 C.F. Oct. 1910	*MICHELL, JOHN	Royal Survey Department, Bang Siam.
2643	Feb. 1894	MILLER, WILLIAM	Nassau, Bahamas, West Indies.
7970	Nov. 1918	MORPHY, HENRY	
6786	A. Oct. 1912 C.F. Oct. 1920	*NEEDHAM, WALTER WILLIAM, CAPT.	Canadian Pacific Buildings, ? Boulevard Adolphe, Brussels.
6947	Oct. 1912	NICHOLAS, WILFRED DUNSTAN	The Estate Department, Sing Harbour Board, Singapore.
8716	Oct. 1921	NOLAN, ARTHUR PATRICK ..	Superintendent of Land Rec Thaton, Upper Burma.
4763	A. Oct. 1905 C.F. July 1913	*NOTTAGE, PERCY GEORGE ..	Assistant Engineer on Railway struction, c/o The Colonial S tary, Colombo, Ceylon.

D. D. Date of Election.	COLONIAL FELLOWS.	Address.
3 A. Feb. 1912 C.F. July 1920 Oct. 1921	*¶ PARROTT, CHARLES CLAYTON PEARSON, TURNER LANG- BRIDGE	P.W.D., Cape Coast, W. Africa.
9 Oct. 1915	PENNEFATHER, JOHN PYNE . .	Spanish Town, Jamaica.
8 A. Oct. 1913 C.F. July 1920	*PIKE, JOHN PERCY	2, Oxley Road, Singapore.
3 A. Oct. 1909 C.F. Feb. 1919	*PLANT, CLIFFORD ERNEST . .	City Hall, Port Elizabeth, Cape Colony, Africa.
2 Oct. 1920	*PLANT, CLIFFORD ERNEST . .	Central Technical College, Brisbane, Australia.
1 Nov. 1918	POULDEN, GEORGE EDWARD LUTHER	14, Zion Hill, Clifton, Bristol.
3 Oct. 1920	PRICE, OWEN GORDON	P.W.D., Freetown, Sierra Leone.
	PUNTIS, WALTER ERNEST, MAJOR, O.B.E.	P.W.D., Pretoria, South Africa.
4 Oct. 1920	RAO, ANANTHA KRISHNA . .	c/o Messrs. T. Cook & Son, Ludgate Circus, E.C.
Nov. 1918	RENSHAW, JAMES C. . . .	Salaga, Northern Territories, B.W. Africa.
4 Nov. 1916	RICKMAN, RALPH ETWALL . .	Chapelton, P.O., Jamaica, B.W.I.
6 A. Nov. 1918 C.F. July 1920	*ROSE, RONALD CHARLES . .	Jesselton, British North Borneo.
8 Oct. 1921	ROWBOTHAM, JONATHAN ALAN	Basseterre, St. Kitts, B.W.I.
8 A. Oct. 1904 C.F. May 1920	*¶ RUSSELL, ERNEST, CAPT., R.E.	Villa Consintini, Mt. Berico, Vicenza, Italy.
8 A. Oct. 1903 F. May 1906 C.F. Oct. 1907	*SANDERS, FRANCIS LEONARD	80, Fordwych Road, West Hampstead, N.W.2.
0 A. Oct. 1909 C.F. Jan. 1915	*SCOTLAND, DOUGLAS WILLIAM	Director of Agriculture, Mano, Sierra Leone, W. Africa.
8 Oct. 1912	SMITH, JAMES LANDRETH . .	Basseterre, St. Kitts Nevis, B.W.I.
8 A. Oct. 1912 C.F. July 1921	SPENCER, ALBERT EDWARD	Land Office, Entebbe, Uganda, British East Africa.
1 A. Oct. 1912 C.F. Oct. 1920	*STARLEY, BERNARD	46, Holyhead Road, Coventry, Warwickshire.
6 Oct. 1920	STOTESBURY, HERBERT CHARLES WOOD	Bamnoli, via Mehra, District Satara, India.

Dip. No.	Date of Election.	COLONIAL FELLOWS.	Address.
3903	A. Oct. 1901 O.F. Oct. 1909	*¶TANNER, WILLIAM HUGH ..	Public Works Department, Nairobi British East Africa.
6691	A. Oct. 1911 C.F. April 1920	*¶TEMPLE, RICHARD, JUN. ..	Survey Dept., P.W.D., Sierra Leone Africa.
8857	Oct. 1920	THOMPSON, WILLIAM GLOSSOP	A.G.M.'s Office, South African Railways, Adderley Street, Cape Town.
3169	Feb. 1897	USHER, CHARLES RICHARD ..	Belize, British Honduras.
4868	A. Oct. 1903 C.F. April 1920	*WALLACE, HERBERT ALEXANDER CRAIG ¶	Southern Life Buildings, Maitland Street, Bloemfontein, O.F.S.
7008	A. Nov. 1916 C.F. Nov. 1920	*¶WARD, PATRICK JAMES ..	c/o F. Birney, Esq., E. 4., 13th Avenue Spokane, Washington.
8719	Oct. 1921	WARNE, WILLIAM MONTAGUE	P.W.D., Pretoria, South Africa.
8006	Oct. 1919	WAVELL, CLAUDE WILLIAM FUGLAR	Leidenhurst, Gurnard, I. of W.
8720	Oct. 1921	WILLOUGHBY, HUGH MICHAEL	Good Hope, Dallas, P.O. Jamaica.
6964	A. Oct. 1912 O.F. Mar. 1916	*¶WILSON, GEORGE HAROLD SUMNER	District Commission, Ejnra, Coon Ashanti, Gold Coast.
4008	A. Oct. 1902 O.F. Oct. 1906	*WRIGHT, ARTHUR EDGAR ..	Public Works Department, Hong Kong.

Total Number of Colonial Fellows, 106, carried to Summary, page 210.

Probationers.

Date of action.	PROBATIONERS.	Address.
921	ADAMS, ALFRED CHARLES	18, Livingstone Road, Derby.
921	BALMER, JAMES BRYCE	Elmwood, Farnham Park, Bangor, Co. Down.
921	BOWYER, ERNEST BARRY	63, King's Road, Windsor
921	BRANSON, WILLIAM PHILIP	
	GRAHAM	Tower House, Gillingham, Dorset.
920	BREWIN, CECIL JOHN	"Sunnycot," Knox Road, Havant, Hants.
921	BRIDGEFORD, JAMES ALAN	The Manor, Shorston, Northenden, Cheshire.
922	BUSH, ARTHUR BRINSLEY	c/o Powell & Co., The Estate Offices, Lewes.
922	BUSH, DENNIS GEORGE	c/o Powell & Co., The Estate Offices, Lewes.
921	BUTLER, CYRIL EDMUND	The Elms, Aylesford, near Maidstone.
920	CALLAN, JAMES WILSON	Village View, Burnage Lane, Didsbury, Lanes.
921	CHIBBERT, HENRY JAMES	Long Street, Williton, Somerset.
922	CLARKE, EDWARD JEFFREY	19, Somerville Road, St. Andrews Park, Bristol.
920	DALLOW, LEONARD	44, Hawes Lane, Rowley Regis, nr. Birmingham.
921	DAVIS, ROMNEY R.	Old Grove House, The Grove, Hampstead, N.W.3.
921	DOLOMORE, CHARLES WILLIAM GEOFFRY	1, The Crescent, Bridlington.
920	DONALDSON, VICTOR CECIL	252, Queen's Road, E.8.
920	EVE, JOHN DOUGLAS TRUSTRAM	42, Bramham Gardens, S.W.5.
921	FERRIS, EDWARD HOLLIS	Salthrap Wroughton, Swindon, Wilts.
920	FOALE, LEONARD	Garston House, Paignton, S. Devon.

Date of Election.	PROBATIONERS.	Address.
1921	FORD, ARNOLD SPENCER	Redlands, Oak Hill, Woodford G. Essex.
1921	FOULGER, FRANK	118, Pepys Road, New Cross, S.E.
1921	FRESSON, KENNETH EDWARD ..	Whiteways, Wickford, Essex.
1921	GANN, THOMAS LEIGHTON ..	Marrawah, St. George's Avenue, Dockcourt Bay, Essex.
1921	GARD, ERNEST JOHN	Home Lea, Williton, Somerset.
1922	GOLDING, ALAN CHARLES ..	21, High Street, Robertsbridge, Sussex.
1921	HAGGER, GUY MONTAGUE WILES	80, Park Road, Kingston Hill, Surrey.
1921	HARRIS, JAMES COLE	Easton, near Winchester.
1921	HELMORE, LEONARD MERVYN ..	Avenue Chambers, Lynchford Road, South Farnborough.
1921	HUDSON, ALAN ALBERT	34, Ewelme Road, S.E.23.
1921	HUGHES, GEORGE HENRY AUGUSTUS	13, North Road, Ashford, Kent.
1921	JARMAN, ARTHUR ROY	85, Windmill Street, Gravesend.
1921	JELLETT, WILLIAM BULFORD ..	19, Colmer Road, Yeovil.
1921	JOHNSON, RAYMOND EDGAR ..	47, Cowley Road, Uxbridge, Middlesex.
1921	JOHNSTONE, JAMES LLOYD WARRACK	Middlewood Road, Aughton, Ormskirk, Lancs.
1921	JOHNSTONE, ROBERT WILLIAM	Wicklea, Traquair Park, Corstorphine, Edinburgh.
1920	KNAPP, DOUGLAS ERIC JOHN ..	Great Lypiatt Corsham, Wilts.
1921	LESTER, REGINALD MOUNTSTEPHENS	The Broadway, Thorpe Bay, Essex.
1921	MANN, ALFRED LEONARD	c/o Edward Millard & Co., 10, Lincoln Court, E.C.2.
1921	MARTIN, NORMAN HERBERT ..	Caerleon, Chertsey Road, Woking.
1922	MATHEWS, F. G. D.	124, Croxted Road, Dulwich, S.E.
1921	MATHEWS, OLIVER LEWIS	39, Westfield Road, Edgbaston, Birmingham.
1921	MATTHEWS, HAROLD MARTEN ..	51, Barrington Road, Crouch End (Middlesex).
1921	MAYNARD, GERALD EARLE ..	15, Galveston Road, East Putney, S.W.15.
1921	MOORE, LEWIS JACK	Templeton, Bridge Road, Torquay.
1921	MORCOM, PHILIP DENNIS	Stuart House, Liskeard, Cornwall.
1922	NICHOLLS, PHILLIP CLAUDE ..	59c, Linden Gardens, Bayswater.
1921	NORRINGTON, CHARLES FREDERICK	Coombe Dene, Woodside Road, Malden.

Date of ction.	PROBATIONERS.	Address.
921	NORRIS, HAROLD MOSELEY ..	401, Holloway Road, N.7.
922	PARKER, ROBERT	67, Lichfield Street, Gateshead. Durham
921	PATERSON, JOHN RIMMER ..	The Knowles, Mere Farm Road, Oxtou, Birkenhead.
920	PERKINS, WALTER C. ..	Laurel Villa, Bampton, Devon.
920	PILKINGTON, JOHN MULOCK ..	85, North Side, Clapham Common, S.W.
920	PINNELL, HENRY JAMES ..	M.W.B., South Place, Finsbury Pavement, E.C.
921	PORTER, JOHN LAWRENCE ..	Braeside, Colwyn Bay, N. Wales.
921	REES, DAVID WATKIN ..	Bodlondob, Penybanc, S. Wales.
921	RITTENER, GERALD	Mossville, Gledholt, Huddersfield.
920	ROBERTS, CLAUDE	15, Mountney Road, Eastbourne.
921	ROBERTS, GWILYM CARADOC ..	10, Darlington Street, Cheetham Hill, Manchester.
922	ROBSON, GEOFFREY BRIAN ..	75, Farnaby Road, Bromley, Kent.
921	RODGERS, JOHN	Belgrave, South Street, Dorking, Surrey.
921	SANDERS, C. F.	14, Conway Road, Cardiff.
921	SHERWOOD, ALFRED	4, Elliotts Road. Tipton, Staffs.
922	SKINNER, C. WILLIAM	77, Mount Pleasant Road, S. Tottenham, N.15.
921	STONES, CHARLES EDGAR	88, Regent's Park Road, N.W.1.
922	STREDDER, CECIL ALFRED EDWARD	102, Goldsmith Avenue, Acton, W. (Middlesex).
921	STURGE, PAUL DUDLEY	7, Percival Road, Clifton, Bristol.
922	TRUMPER, RICHARD WILLIAM ..	27, Blakesley Avenue, Ealing, W. (Middlesex).
921	WARREN, JOHN ROBERT HOARE	Fore Street, Buckfastleigh, S. Devon.
921	WETHERELL, JOHN ROBERTSON	47, Frenchgate, Richmond, Yorks.
921	WIGGINTON, THOMAS A.	2, St. Andrew's Street, Hertford.
919	WILKINS, CHRISTOPHER	The Grove, Longton, near Preston.
920	WINDROSS, NORMAN CYRIL ..	Yorkshire Insurance Buildings, Low- gate, Hull.
921	YOUNG, WILLIAM RAYMOND ..	4, St. Peter's Street, St. Albans, Herts.

Total Number of Probationers, 73, carried to Summary, page 210.

Students.

Enrolled.	STUDENTS.	Address.
1921	ADAMS, DONOVAN GUY	38, Sloane Street, S.W.
1921	ADEEB, EMILE	6, Selby Park Road, Birmingham.
1919	APTHORP, ARTHUR LEONARD ..	26, Devereux Road, Wandsworth C mon, S.W.
1920	ARNOTT, WILLIAM GEORGE ..	Church Street, Woodbridge, Suffol
1919	ASHWELL, PHILIP ECOB.. ..	195, Church Street, Edmonton, N (Middlesex).
1921	BACON, SIDNEY GEORGE	13, Alderley Avenue, Cloughton, kenhead.
1920	BALL, ERIC BECKFORD	Fernleigh, Ditton, nr. Maidstone.
1921	BARRON, JOHN REYNOLDS ..	Bottesford Road, Ashby, nr. S thorpe, Lincs.
1921	BEAN, GEORGE W.	73, Victoria Road, Bedford.
1921	BERNARD, MOROGH WYNDHAM PERCY.. ..	Blunts Hall, Witham, Essex.
1920	BETTESWORTH, SIDNEY ALBERT	53, Hindes Road, Harrow, Middlesex
1921	BIRMINGHAM, CHARLES ROY ..	85, Guildhall Street, Bury St. Edmu
1921	BISCOE, RONALD GEORGE	3, Greenhill Road, Harrow.
1920	BISHOP, WILLIAM THOMAS	5, Great College Street, S.W.1.
1920	BLISS, JOHN LESLIE	Chesleigh, Presbury Road, New Mal Surrey.
1921	BOWYER, CHARLES PERCIVAL ..	18, Lansdowne Avenue, Slough, Bu
1921	BRISOLDEN, FRANK GEORGE AMBROSE	Langleybury, 24, Bromley Road, ford, S.E.
1920	BROAD, GEORGE HECTOR	45, Priory Avenue, High Wycomb Bucks.
1920	BROOKES, GEORGE CHARLES RICHARD	43, Tyas Road, Canning Town, E.I (Essex).
1921	BROWNE, RONALD EDWIN JAMES	Broadwater House, Kingston R Merton, S.W.20 (Surrey).
1920	BULL, WALTER EDWARD AVERNON	4, Queen Victoria Street, E.C.
1920	BURGESS, ROBERT COLEMAN ..	The Moat Ash, nr. Canterbury, Ker
1920	BUTLER, LESLIE TURLEY	7, Glenshiel Road, Eltham Park, S

Colled.	STUDENTS.	Address.
21	CADWALADR, JOHN RICHARD ..	Pont-y-Celyn, Rhostryfan, Llanwnda, Carnarvonshire.
19	CHADWICK, JOHN BERTRAM	The Hollies, Darley Abbey, near Derby.
21	CHAMBERLAIN, NORMAN VINCENT	119, Albion Road, Stoke Newington, N.16.
20	CHAMBERS, HOLROYD FERRIS ..	8, North Street, Westminster, S.W.1
21	CHARLTON, NOEL	172, Sheen Road, Richmond, Surrey.
19	CHENEY, WILLIAM STANLEY.. ..	189, Upper Street, N.1.
21	CHILDE, GODFREY SLADE ..	Potterton Hall, Barwick-in-Elmet, Leeds.
19	CLAPP, SAMUEL JOHN	Hillrise, Roebuck Lane, Buckhurst Hill, Essex.
21	CLARK, ALBERT EDWARD	24, Addiscombe Court Road, East Croydon.
20	CLARKE, CYRIL ALEXANDER ..	9, Victoria Terrace, Kingsway, Hove, Sussex.
21	CLEMENTS, RUSSELL MATTHEW	14, Rosebery Crescent, Jesmond, Newcastle-on-Tyne.
20	COATMAN, WILLIAM FRANCIS ..	Charlton House, Masons Avenue, Croydon, Surrey.
21	COLE, GEORGE CHARLES	Brandwood, Broadbridge Heath, Horsham.
21	COLYER, CHARLES ERNEST ..	Arborfield, Beckenham Grove, Shortlands, Kent.
20	COOPER, ALAN BERTRAM	Surveyor's Dept., Town Hall, Ilkley, Yorks.
20	COOPER, WALTER DEWHURST ..	Fernhill, Kenilworth, Warwickshire.
21	COTTON, JACK	34, Augustus Road, Edgbaston, Birmingham.
21	COWELL, ARTHUR EDMUND ..	Eversley, Queen's Road, Ryde, Isle-of-Wight.
20	CRICHTON, GEORGE CALLUM ..	5, Claremont Place, Crieff Road, Perth.
21	CROSS, FRANCIS WILLIAM BARHAM	Milton Cottage, Cheadle, Cheshire.
19	CUNDY, THOMAS JAMES	Linby, Nottingham.
21	DALE, KENNETH KIRKHAM ..	60, Prospect Road, Moseley, Birmingham.
19	DANN, HERBERT	Brenchley, Victoria Road, Malvern Link, Worcestershire.
20	DAVIDSON, ALEXANDER JOHN ..	Rose Villa, Queen's Promenade, Douglas, Isle of Man.

Enrolled.	STUDENTS.	Address.
1921	DAVIES, FRANCIS KABERRY ..	Bond's Cay, Radlett, Herts.
1921	DAWNEY, PERCY WILFRID ..	Caswell, Downs Court Road, Putney, Surrey.
1920	DEAN, HENRY WILLIAM	16, Hope Street, Cambridge.
1921	DIGNASSE, DAVID REX	57, Woodbourne Avenue, Streatham S.W.16.
1921	DOWLING, FREDERICK CYRIL ..	61, Porchester Road, Bournemouth
1921	DOYLE, FRANCIS FREDERICK JAMES HODGES	97, Queens Road, Plaistow (Essex)
1921	DUGGLEBY, JAMES RONALD ..	62, Mayfield Street, Hull.
1920	DYER, HARRY WILLIAM JAMES ..	76, Milton Road, Portsmouth.
1919	ELGAR, NIGEL EDWARD BERESFORD	11, Benet Street, Cambridge.
1921	ELLIS, HARRY WHITTAKER ..	119, Pear Tree Street, Pearl Street, Derby.
1920	ELLIS, OWEN WILLIAM	29, Glengarry Road, East Dulwich, S.E.
1921	EMMENS, HARRY OSCAR	62, Crofton Park, Yeovil, Somerset.
1920	EVANS, IDRIS	Myrtle Grove, 191, Crogan Hill, Barry Dock, near Cardiff.
1921	EVERY, CECIL TOM	105, Dartmouth Road, Brondesbury, N.W.2. (Middlesex).
1921	FLETCHER, HARRY NEWTON ..	c/o Messrs. Cronk, Sevenoaks, Kent.
1921	FOOKES, HENRY FREDERICK ROBERT	Milton Abbas, Blandford, Dorset.
1921	FOWLER, CLEMENT HARWOOD	Oakcroft, Cowfold, Sussex.
1921	FOX, ERNEST STODDART	Woodbridge, The Avenue, Brankscomb Park, Bournemouth.
1921	GARDNER, GEOFFREY GILBERT	Hendall, Crawley, Sussex.
1920	GEE, EDWARD ROWLAND	West End Villa, Bruton, Somerset.
1921	GEORGE, HENRY CECIL	High Street, Bracknell, Berks.
1920	GERMAN, GUY JOHNSON	Rawden Terrace, Ashby-de-la-Zouch.
1921	GIBBS, JOHN WYNDHAM	28, Blenheim Road, Redland, Bristol.
1921	GRADDON, REUBEN HAROLD ..	71, Virginia Street, Southport, Lancs.
1921	GRUNDY, FRED	Park House Cottage, Astley, Manchester.
1920	HALL, PERCY	Crondale View, Station Avenue, Bardon Colliery Co., Durham.
1920	HARTLEY, ALBERT	200, Honeywell Lane, Oldham, Lancs.

lled.	STUDENTS.	Address.
20	HAYNE, GEORGE FREDERICK ..	St. Audries, near Taunton.
20	HEAL, CLIFFORD HENRY	61, Fore Street, Totnes, Devon.
20	HENSHAW, ROBERT RUSHTON ..	7, Rathmore Avenue, Liverpool, S.
21	HEPPER, ALAN BEDFORD	Woodcote, Wood Lane, Headingley, Leeds.
21	HENDERSON, GEORGE WILLIAM	Ashley Villa, Redworth Road, New Shildon, Co. Durham.
21	HILL, LESLIE CHARLES	28, Farrer Street, Kempston, Bedford.
21	HODDY, ALBERT ARTHUR VICTOR	101, Lady Margaret Road, Tufnell Park, N.19.
21	HODSOLL, JAMES WILLIAM ..	Farningham, Kent.
21	HOLMES, HARRY WILKINSON ..	Prince George Street, Skegness, Lincs.
20	HOWES, CHARLES EDWARD BASIL	The Green, Shirehampton, Bristol.
20	HUGHES, REGINALD GEORGE ..	60, Cotswold Road, Westcliff-on-Sea, Essex.
21	HUMFREY, BRIAN BOUTCHER ..	Rosemont, Cookham Road, Maidenhead, Berks.
21	IRESON, JOHN, JUNR.	Glenthorne House, Yaxley, near Peterborough.
21	JACKSON, FREDERICK WILLIAM	c/o Driver, Jonas & Co., St. Peter's Churchyard, The Cross, Chester.
21	JACKSON, ROY GIFFARD	94, Grove Park, Denmark Hill, S.E.5.
21	JACKSON, THOMAS RICHARD HARDY	St. Wilfrid's Vicarage, York Road, Harrogate.
20	JEFFERIES, THOMAS LESLIE GILBERT	Wansbeck House, Chepstow, Mon.
21	JOHNSON, BRUCE MARK VICE	57, Oakfield Road, West Croydon.
20	JOHNSON, FITZROY EDWARD ..	Dale Side, Henley Road, Ipswich.
20	JOHNSTON, JAMES CARRUTHERS..	13, Ingram Street, Huntingdon.
20	JOINER, RONALD HUGH	224, High Street, Slough, Bucks.
21	JOLLIFFE, HENRY WILFRED ..	Mill Hill Road, Cowes, Isle of Wight.
21	JOSELAND, LEONARD	High Croft, Kidderminster, Worcester-shire.
19	JOSEY, TOM	15, Beaconsfield Street, Chester.
20	KENNAUGH, THOMAS HUDSON ..	2, Woodside Terrace, Douglas, Isle of Man.
21	KESLAKE, LEONARD JOHN ..	Post Office, Budleigh Salterton, Devon.
20	KNIGHT, DOUGLAS ROY	196, High Street, Herne Bay, Kent.
21	KNIGHT, PERCY JAMES GEOFFREY	8, Wellesley Villas, Ashford, Kent.
21	KNOWLTON, JOHN ARCHIBALD ..	Vine Cottage, Salford, Bristol.

Enrolled.	STUDENTS.	Address.
1921	LANGRAM, JOSEPH GEORGE ..	30, Chatham Road, Norbiton, Surrey.
1920	LEEDER, JOHN GEOFFREY VINER	Mount Pleasant House, Swansea.
1919	LEES, ERIC CHRISTOPHER LINGHAM	18, Jury Street, Warwick.
1921	LEWIS, CHRISTOPHER ARTHUR GWYNNE	Tirycoed Farm, Glanammon, Carmarthenshire.
1921	LEWIS, DILWYN	31, Quay Street, Ammanford, Carmarthen.
1921	MCAULEY, BRUCE	Moyleen, Deramore Park South, Wexford.
1921	MCCABE, ARTHUR WILLIAM ..	White Hall Hotel, Guilford Street, Russell Square, W.C.1.
1921	MCDOWALL, JAMES	9, Copthorne Drive, Shrewsbury.
1921	MANN, JOHN ROBERT BAGSHAW	41, Fitzroy Road, N.W.1.
1920	MARTIN, JOSEPH HEBER	Highfield House, Littleport, Isle of Ely.
1920	MATTHEWS, WOLVERLEY	Mill House, Church Road, Croydon.
1921	MATTS, JOHN STEDDY	Tower House, Betchingley, Surrey.
1920	MOORE, CHRISTOPHER CONSTABLE	Woodlands, Oakleigh Park, Middlesbrough.
1920	MORGAN, ERIC RICHARD	Newton, Unthank Road, Norwich.
1920	MORGAN, GEOFFREY FRANK JOHN	71, Gauden Road, Clapham, S.W.4.
1919	MORSE, ARTHUR PERCY.. .. .	83, Beaconsfield Villas, Brighton.
1921	NEWCOMBE, REGINALD JOHN ..	The Hill, Market Harborough, Leicestershire.
1919	NORCOTT, JAMES FREDERICK BEAUCHAMP	Kelmarsh, Northampton.
1921	NOTT, ALAN FRANK	Wickham St. Pauls, Halstead, Essex.
1920	NOTT, THOMAS JEFFERY	Maynes, St. Albans, Herts.
1920	ORTON, WILLIAM KENNEDY ..	Wylfa, Bangor, N. Wales.
1920	PAICE, WILLIAM ROBERT	46, Cannon Hill Lane, Merton Park, S.W.19 (Surrey).
1920	PECK, FREDERICK EDWARD ..	Four Oaks, Hatch End, Middlesex.
1919	PENWILL, FRANK RALPH	"Avon," Torbay Road, Rivermouth, Torquay.

elled.	STUDENTS.	Address.
21	PEPPER, WALTER	13, Melbourne Street, Hebden Bridge, Yorks.
19	PHILLIPS, ALBERT HENRY	Bracton, Tregonwell Road, Minehead, Somerset.
21	PIPE, ALBERT WILLIAM	Thorpe, Eagle Lane, Snaresbrook, Essex, and 9, Stone Buildings, E.C.2.
20	POCOCK, DENNIS ALFRED	129, High Street, Marlborough.
20	POWELL, CLIVE DAVID ALLEN ..	40, Woodstock Road, Moseley, Birmingham.
20	PRALL, HENRY HERBERT	150, Eastgate, Rochester, Kent.
20	PROCTOR, JOHN	179, Gladstone Road, Barry, Glam.
21	QUAYLE, WILFRID TAGGART ..	9, Queen's Terrace, Douglas, Isle of Man.
21	RANDALL, VICTOR HORACE	32, Selborne Road, Ilford, Essex.
21	RAWSON, FRANK	1, West View Road, Hemel Hempstead, Herts.
20	REES, CLAUDE COPP	Crighton, The Avenue, Sidmouth, Devon.
20	REES, EDGAR STUART	32, Convent Street, Wann Wen, Swansea.
21	REID, JOHN KERR	11, Warrington Road, Newcastle-on-Tyne.
20	REYNOLDS, FRANK ARTHUR ..	37, Hart Street, Henley-on-Thames, Oxon.
21	RICE, GEORGE ALBERT	36, Orwell Park, Dartry Road, Dublin.
19	RITCHIE, WALTER HENRY DENISON	57, Commercial Road, Portsmouth, Hants.
19	ROBERTS, IVAN FREDERICK	Stone Croft, Aylesbury, Bucks.
19	ROWLING, MAURICE	Beechwood, Kendal, Westmorland.
21	RUBENS, ALFRED	120, Highbury New Park, N.5.
21	SEARLES, CHARLES FRANK	36, King Edward Road, Maidstone.
20	SEEL, JAMES ALISTER	Ailsa Craig, Dinas Powis, Glam.
21	SHIELDS, FRANK	5, Adelaide Street, Blackpool.
20	SHIPLEY, WILLIAM ARTHUR ..	167, Marlborough Road, Bedford.
21	SIMONS, HORACE EDWARD WILLIAM	73, Kingsgate Street, Winchester.

Enrolled	STUDENTS.	Address.
1919	SLATER, JOHN ALFRED	Mouldings, Whittingham Lane, nargh, near Preston.
1920	SMITH, GEORGE ALFRED	Homecote, Heathcote Road, Epsc Surrey.
1921	SMITH, JACK GODWIN TOMLIN ..	Wychcote, Somerville Road, B mouth, W.
1920	SMITH, JOSEPH WILLIAM	Surveyor's Office, Town Hall, Tive
1920	SMITH, LEONARD	33, Crofton Road, Camberwell, S.E.
1920	SMITH, MAURICE GILES	Millfield, Allington Road, Newi Sussex.
1920	SMITH, THOMAS ROBINSON ..	8, Foulis Street, Anniesland, Glasg
1920	SOLOMON, JOHN FREDERICK COTHER	18, Nottingham Road, Bishopst Bristol.
1920	SPARK, JONATHAN PERCY	Nentholme, Alston, Cumberland.
1920	SPILLER, ERNEST WILLIAM ..	5, Chesterford Gardens, Hampster N.W.3.
1921	STEDMAN, DOUGLAS WILSON ..	Oswald House, 110, Worting I Basingstoke.
1921	STONE, KENNETH EDWARD DAY	Eastwood, The Avenue, Camb Surrey.
1920	SUTTON, PHILIP ROWLEY ..	Cranford, Bramhall Park, Chea Hulme, Cheshire.
1919	TAPPING, REGINALD ERNEST ..	The Old House, Waddon, Surrey
1920	THEAKSTON, ROBERT WILLIAM ..	Wensleydale, Huntingdon.
1921	THOMPSON, WILLIAM	8, Crescent Gardens, Wimbledon S.W.19 (Surrey).
1921	THORNE, MICHAEL CHRISTOPHER	Estate Office, Wimborne, Dorset.
1920	THORP, ERIC GARDNER	Town Hall, Loftus, Yorks.
1921	TODD, JOHN THOMAS	15, Carpenter Street Flats, M Street, W.1.
1921	TROTMAN, ERIC CECIL	26, Tarbert Road, E. Dulwich, S.
1921	TUDOR, CECIL WILLIAM	216, Upper Newtownards Road, B field, Belfast.
1921	WAGSTAFF, FREDERICK ARTHUR	Ellerslie, 1, Campden Road, Croydon.
1919	WALMSLEY, JOHN	4, Yew Terrace, Grimsargh, near P
1921	WALTHER, RAYMOND	Dee Villa, 5, Ethelbert Road, Cheshire.
1921	WARD, EDWARD REX	Brooklands, Tavistock.
1921	WAY, KENNETH EDWARD BRUCE	Shillingford, Wallingford, Berks.

Colled.	STUDENTS.	Address.
20	WEST, ERIC WILLIAM ARTHUR ..	8, Montpelier Place, Brighton.
20	WHITE, ROY LESLIE	33, Victoria Avenue, Southend-on-Sea, Essex.
21	WHITEHOUSE, HOTSPUR CHRIS- TIAN	87, North Road, Wolverhampton.
20	WHONE, WILLIAM ERNEST ..	Aubrey House, Cowbridge, Glamorgan.
21	WILKS, GEOFFREY STACEY ..	The Post Office, Eckington, near Shef- field.
21	WILLIS, CHARLES	22, Hornby Terrace, Morecambe, Lancs.
21	WILLOUGHBY, DONALD NELSON	39, Penwortham Road, Streatham, S.W.
21	WILSON, GEORGE NORMAN ..	Rose Hill, Kensington Road, Sunder- land, Durham.
21	WILSON, HENRY HOLT	Snape Hill, Rickingham, Diss, Norfolk.
20	WINTERTON, REGINALD KERN ..	131, Regent Street, W.1.
21	WOODWARD, ROBERT WILLIAM NOBLE	Roydon, Marine Parade, Dovercourt, Essex.
19	YELLOLY, CLAUDE REGINALD ..	Como, Looms Lane, Bury St. Edmund's.
20	YOUNG, GEORGE HENRY	Mangolsfield, near Bristol.

Total Number of Students, 190, carried to Summary, page 210.

SUMMARY.

Honorary Members	..	..	..	..	..	..	..	29
Fellows	..	..	..	..	..	..	..	2498
Professional Associates	..	..	..	..	..	..	..	2749
Associates	..	..	..	..	..	..	..	45
Colonial Fellows	..	..	..	..	..	..	..	106
Probationers	...	..	...	...	..	..	..	73
Students	..	..	..	..	..	..	..	190
Total	..	..	..	..	..	..	..	5690

NOTE.—To ensure the regular transmission of the Papers and Notices, it is particularly requested that any changes of address be communicated at once to the Secretary.

Members who have obtained the Special Diploma in Forestry.

ALLISON, HERBERT WILLIAM	6, Albion Street, Hull.
ARIS, JOHN WHITTON, M.A. (Oxon.)	Lois Weedon, Denbigh Gardens, Richmond, Surrey.
ASTBURY, CHARLES NORMAN	20, Upton Park, Slough, Bucks.
BUNNY, JOSEPH	15, Grange Park, Ealing, W.
DAVIES, WILLIAM GWYNNE BATCHELOR	39, Hatfield Road, St. Albans, Herts.
DUCHESNE, MARTIN COLLIER	Farnham Common, Slough, Bucks.
GRAHAM, HENRY CECIL . .	5, Great College Street, Westminster Abbey, S.W.
HOSEGOOD, ANDREW WEBBER	Williton, Somerset.
JOHNSON, HERBERT DAVIES	Fairfield Cottage, Great Budworth, near Northwich, Cheshire.
JONES, ERIC WYNNE	Siggleshorne Rectory, near Hull.
MACBEATH, DAVID KEIR . .	Broxwood, Sandbank, Argyleshire.
MADGE, JOHN	Somerset House, Chard, Somerset.
MARTIN, THOMAS	53, Station Road, Ashford, Kent.
MAUGHAN, JOHN	Estate Office, Jervaulx Abbey, Middleham, S.O., Yorks.
MAW, PERCIVAL TRENTHAM	Fairlawn, Southborough, Tunbridge Wells.
MICHELMORE, ALFRED . . .	Gate House, Totnes, Devon.
MOISER, CYRIL	Valuation Dept., 9, Hammet Street, Taunton.
OSMOND-SMITH, FRANCIS HENRY GEORGE, M.R.A.C.	County Council Offices, Cardiff.
OWEN, THOMAS BURWOOD	12, West Street, Walsford, Wimborne Dorset.
PARKER, FREDERIC WILLIAM	Parks Department, L.C.C., Glouces- ter House, 19, Charing Cross Road, W.C.2.
PENNINGTON, RICHARD WATSON	Cowbeech House, near Hailsham, Sussex.
PHILPOT, CLIFFORD NEEDHAM	Priests House, Flixton, Bungay, Suffolk.
PRITCHARD, HENRY A. . .	76, Castle Street, Cirencester.
SAWYER, JOHN ASHTON . .	59, High Street, Winchester.
STONE, CYRIL FRANK . . .	Lyngate, Belmont Road, Reigate.
STOOKE, JOHN EDWIN HELLYAR	2, Palace Yard, Hereford.
TAYLOR, WILLIAM LING . .	The Forestry Commission, 22, Gros- venor Gardens, S.W.1.
THOMPSON, JOHN CLULOW . .	Westerby House, Smeeton, Leicester.
WHELDON, MARTIN LOWISH	5, Coney Street, York.
WOOD, LESLIE STUART . . .	East Grinstead, Sussex.

Members who have obtained the Special Diploma in Sanitary Science.

ADKIN, BENAIAH WHITLEY	35, Lincoln's Inn Fields, W.C.
ASSITER, HARRY G.	The Weald House, Harrow Weald, Middlesex.
BACON, FRANK	Sydenham Lodge, Tavistock Road, South Woodford, Essex.
BRIANT, BERNARD	200, Kennington Park Road, S.E.
BROWN, EDGAR OSWALD . .	92, Sidney Road, Southport.
BURKETT-SMITH, CECIL SYDNEY	31, St. Mary Abbott's Terrace, Kensington, W.
BURR, HARRY	Willington, Bedford.
CHART, CHRISTOPHER . .	Union Bank Chambers, Croydon.
DUNSMORE, GILBERT . .	1, Garthorne Road, Honor Oak Park, S.E.
FREYBERG, HERBERT . .	8, Gray's Inn Square, W.C.1.
GOSLING, JOHN HENRY CHARLES	Town Hall, Portsmouth.
GUDGEON, GEORGE HAROLD	Moorside, North Walls, Winchester.
GUMBRELL, LEONARD BARTON	64, King Edward's Grove, Tedding- ton, Middlesex.
HAMLYN, ERIC HENLEY . .	5, Tavistock Road, Plymouth.
HELLICAR, GEORGE THOMAS	47, Woodberry Grove, Finsbury Park, N.
HOOPER, EDGAR WILFRED . .	Haslemere, Beaufort Road, Reigate, Surrey.
JONES, HENRY ARTHUR . .	3 and 4, Lincoln's Inn Fields, W.C.
JULL, ROBERT CHARLES . .	1, Cumberland Gardens, Tunbridge Wells, Kent.
MATTHEWS, MAURICE KERSHAW	77, Tottenham Court Road, W.
MELROSE, FRANK	37-39, Essex Street, Strand, W.C.
PAGE, STANLEY HATCH, C.M.G.	6, Queen Street, Ramsgate, Kent.
PILDITCH, SIR PHILIP EDWARD, M.P.	Old Bond Street House, 6-8, Old Bond Street, W.
POVER, WILLIAM ALFRED	54, Park Road, Faversham, Kent.
REFFELL, CHARLES ARTHUR	Thorney, Ennismore Avenue, Guild- ford.
RICHARDS, WALTER ROWE	1, Alexandra Villas, Finsbury Park, N.4.
SANDS, HUBERT COVELL, Lic.R.I.B.A.	Amhurst, Guibal Road, Lee, S.E.
SIMMONS, EDGAR JOHN . .	Station Place, Letchworth, Herts.

SMITH, CYRIL HERBERT ..	Chippenham, Wilts.
TURNER, BENJAMIN GEORGE	Wingrove House, Walmer, Kent.
VERNON-INKPEN, GEORGE	
CHARLES	40, Commercial Road, Portsmouth.
VINING, ERIC LESLIE	
RANDALL	99, Queen Street, Exeter.
WARD, HENRY PAYNE ..	"Burleigh," Reigate Road, Redhill, Surrey.

Members who have obtained the Special Diploma in Rating.

DAWSON, HENRY WALKER	Union Offices, Parson's Lane, Bury.
DIXON, ISAAC	7, Plattsville Road, Mossley Road, Liverpool.
HEDLEY, THEODORE FEN- WICK	26, Beechwood Avenue, Darlington.
LOGSDON, HORACE STEWART	4, Barrington Road, Crouch End, N.8.
MARSH, FREDERICK	
STEPHEN	7, Park Avenue, Northampton.
MILNE, JAMES LOGIE ..	89, Corporation Street, Birmingham.

Junior Meetings.

Chairman :

HERBERT WARWICK DAW,
110c, Queen Victoria Street, E.C.4.

Committee :

FRANK VICTOR BATHURST.	EDWARD BAILEY GILLETT.
ROLAND STANLEY BEVAN.	HORACE JAMES HEWLITT.
BERNARD BRIANT.	WILLIAM AUBREY KIRBY.
NORMAN COWELL.	HUMPHREY CROFTS POWELL.
JOHN GORDON ELSWORTHY.	EDWIN LYDALL SAVILL.
CHRISTOPHER TURTILL FULCHER.	

Honorary Secretary :

STANLEY VVYVIAN HICKS .. 29, Lincoln's Inn Fields, W.C.2.

List of County Branches.**JANUARY 1st, 1922.**

Branch.	No. of Members of Branch.	Chairman and Address.	Hon. Secretary and Address.
BEDFORD, ESSEX HERTFORD, AND MIDDLESEX	541	F. J. Brown, Tring, Herts	A. W. Merry, 17, High Street Leighton Buzzard
BERKS, BUCKS, AND OXON	136	C. Dalgleish, 1, Victoria Square, Reading.	A. S. Shorney, 1, Talfour Avenue, Reading
CAMBRIDGE, HUNT- INGDON, NORFOLK, AND SUFFOLK	45	J. E. Bidwell, 11, Benet Street, Cambridge	W. L. Jenkins, Shire Hall, Bury St. Edmund's
CUMBERLAND AND WESTMORLAND	42	W. J. Heskett, St. Andrew's Churchyard, Penrith	T. Brown, Prospect House, Holmrook, Cumberland
DEVON AND CORN- WALL	119	H. B. Beddall, 9, Strangeways Terrace, Truro.	J. F. Bowden, Bedford Chamber Exeter
GLOUCESTER, SOMER- SET, AND NORTH WILTS	171	T. Sturge, 11, Orchard Street, Bristol	R. H. K. Price, 23, Clare Street, Bristol
HAMPSHIRE, DORSET, AND SOUTH WILTS	211	G. N. Rawlence, c/o Rawlence & Squarey, Salisbury	H. E. Duke, "Maen," Do- chester.
IRISH BRANCH	187	G. L. Young, Randalstown, Co. Antrim	B. J. Newcombe, 110, Grafton Street, Dublin
KENT	191	W. Day, High Street, Maidstone	R. Cobb, Watlynge, near Rochester
LANCASHIRE AND CHESHIRE	411	A. D. Lomas, Estates Dept., Lancashire & Yorkshire Rail- way, Manchester	D. O. Dunlop, 57, King Street, Manchester
LEICESTERSHIRE, NORTHAMPTONSHIRE AND RUTLAND	74	G. German, Rawdon Terrace, Ashby-de-la-Zouch	J. L. Woolley, Rectory Place, Loughborough
LONDON (EASTERN) ..	406	W. Harold Eve, 10, Union Court, E.C.	A. B. D. Lang, 3, King Street, Cheapside, E.C.
LONDON (NORTH WEST)	550	Sir Edgar Harper, Valuation Office, Lincoln's Inn Fields, W.C.2	H. How, 41, Heath Street, Ham- stead, N.W.3.
LONDON (SOUTH .. WEST)	482	A. G. Cross, 28, Victoria Street, S.W.1	H. E. Sherwin, 7, Little College Street, S.W.1.
NORTHUMBERLAND .. AND DURHAM	124	F. J. Edge, 38, Blackett Street, Newcastle-on-Tyne	W. Turpin, 19, Albury Road, High West Jesmond, New- castle-on-Tyne.
NOTTINGHAM, LIN- COLN, AND NORTH DERBY	115	C. J. Clements, 19, Watson Avenue, Mansfield	A. A. Walton, Exchange Walk, Nottingham
SALOP, HEREFORD AND MID-WALES	59	J. Parker, A.M.I.C.E., Mansion House, Hereford	A. M. Hickman, Pride Hall Chambers, Shrewsbury
SCOTTISH	262	J. C. Murray, Pollok Estate Office, 120, West Regent Street, Glasgow	D. M. Mackay, 189, St. Vincent Street, Glasgow
SURREY	330	C. Chart, Union Bank Cham- bers, Croydon	T. Brent, Norbury Manor Estate Office, London Road, Norbury S.W.
SUSSEX	152	M. D. Bannister, Buntinghill, Cuckfield	R. M. Ozilvie, Market Place, Hayward's Heath
WALES (NORTH)	43	R. E. Birch, Brynasaph, St. Asaph, Flintshire.	T. Barlass, 12, Market Street, Carnarvon.
WALES (SOUTH) AND MONMOUTHSHIRE	88	Colonel F. D. W. Drummond, Carmarthen	Capt. J. H. Roberts, 61, Wind Street, Swansea
WARWICK, WORCESTER, STAFFORD, AND SOUTH DERBY	260	H. J. C. Winterton, St. Mary's Chambers, Lichfield	E. G. Bigwood, 158, Edmu- nd Street, Birmingham
YORKSHIRE	265	M. C. Wheldon, 5, Coney Street, York	G. F. Weatherill, Valuation Office, Victoria Avenue, Harrogate

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Local Distribution of Members under Counties.

The names of those Fellows who are or have been Provincial Chairmen are distinguished thus *.

BEDFORDSHIRE.

(Bedford, Essex, Hertford, and Middlesex Branch).

FELLOWS :

BROOK, HARRY	District Valuer's Office, 39, Kimbolton Road, Bedford.
BURR, HARRY	Willington, Bedford.
CUMBERLAND, EDWARD ANTHONY ..	Luton, and Leighton Buzzard.
ELLIS, ARNOLD ROBERTSON	39, Kimbolton Road, Bedford.
EMERY, DOUGLAS WADE	District Valuer's Office, 39, Kimbolton Road, Bedford.
*EVE, SIR HERBERT TRUSTRAM, K.B.E.	2, St. Paul's Square, Bedford.
FRANKLIN, BENJAMIN BELGROVE ..	33, King Street, Luton.
*HALL, CHARLES PELL	Park Farm Office, Woburn.
MERRY, ARTHUR WALKER	17, High Street, Leighton Buzzard.
PERKS, HUGH EARL	2, St. Paul's Square, Bedford.
ROBINSON, JAMES CHARLES EVITT ..	Marsh Leys, Kempston, Bedford.
SAMUEL, WILLIAM JOHN	42, Mill Street, Bedford.
TUTT, EDWIN THOMAS	Market Place, Ampthill.
WILSON, MALCOLM MILLAR	8, St. Paul's Square, Bedford.

PROFESSIONAL ASSOCIATES :

ATKINSON, FRANCIS CHARLES ..	Woburn Experimental Farm, Aspley Guise, S.O.
CHENEVIX-TRENCH, HUGO ..	Park Farm House, Woburn.
CRABB, ARTHUR HORACE	H.M. Office of Works, Housing Scheme, Elston, Bedford.
CROFTS, PETER EWAN	2, St. Paul's Square, Bedford.
FACER, HALDANE THOMAS	Crescent House, Ashwell Street, Leighton Buzzard.
FENNING, JOHN HENRY	8, St. Paul's Square, Bedford.
FOLL, WALLACE ARTHUR	Woburn Sands.
FOSTER, NORMAN BEAUMONT	Ampthill.
GUDE, CHARLES, JUN.	9, St. Paul's Square, Bedford.

HODSON, HENRY MOULTON ..	138, Bedford Road, Kempston.
HUNT, REGINALD WILFRID RICHARD	54, Westbourne Road, Luton.
ISITT, SAMUEL GILBERT, N.D.A. ..	Estate Office, Southill Park, Biggleswade.
JONES, GEORGE	12, High Street North, Dunstable.
MAYHEW, HARRY BENJAMIN ..	5, Margetts Road, Newtown, Kempston.
RUSSELL, ERNEST WILLIAM ..	12, Spring Road, Kempston.
SILLENCE-LOVELL, SYDNEY VAL- ENTINE	Park Way, Luton.
SMITH, HAROLD	6, Tennyson Road, Bedford.
WESTON, JOSEPH AURELIUS	83, High Street, Bedford.
WILLETT, HUGH	6, Bushmead Avenue, Bedford.

STUDENTS :

BEAN, GEORGE W.	73, Victoria Road, Bedford.
HILL, LESLIE CHARLES	28, Farren Street, Kempston, Bedford.
SHIPLEY, WILLIAM ARTHUR ..	167, Marlborough Road, Bedford.

BERKSHIRE.

(Berks, Bucks, and Oxon Branch).

FELLOWS :

ADKIN, CHARLES DUNCAN	Wantage and Abingdon.
BATTING, MERLIN FRANCIS JOSEPH	Meriden, Hamilton Road, Reading.
BELCHER, EDWARD JOHN	Wantage.
*BUCKLAND, HENRY DUNEAU ..	Windsor.
BUCKLAND, SIDNEY CRAWFORD ..	Windsor.
BUTLER, ALBERT ERNEST	20, Broad Street, Wokingham.
CHAMBERS, WADDELOW NIX.. ..	c/o A. F. Hobbs & Chambers, Faringdon, Berks.
COX, ARTHUR STANLEY	16, Queen Victoria Street, Reading.
*DALGLEISH, CHRISTOPHER	1, Victoria Square, Reading.
DREWEATT, THOMAS	Newbury.
EGGINTON, DENYS	150, Friar Street, Reading.
GALE, HAROLD JAMES	Market Place, Wallingford.
*GALE, JOSEPH JOHN	Market Place, Wallingford.
GREENAWAY, JOSEPH REGINALD ..	11, Friar Street, Reading.
*HASLAM, DRYLAND	Warren House, Caversham, near Reading.
*HASLAM, DRYLAND, JUN.	Friar Street Chambers, Reading.
MAUNSELL, GEORGE EDWARD SCARLETT	Burghclere, Newbury.

MILLAR, WILLIAM GALT.. ..	1, Arcade Chambers, Reading.
NEATE, ARTHUR WEBB.. ..	8, St. Mary's Hill, Newbury, and Hungerford.
PETO, JAMES WINDER	6, Market Place, Reading.
PHILLIPS, WILLIAM NEWTON ..	10, Abbots Walk, Reading.
RICH, ROBERT.. ..	Didcot.
*RUTHERFORD, JAMES AUGUSTINE	Estate Office, Highclere Park, Newbury.
STANFORD, GEORGE	102, Wokingham Road, Reading.
STRICKLAND, WILLIAM	London Road, Hungerford.
WATKINSON, HAROLD EDWARD ..	9, Hemdean Rise, Caversham, Reading
WEBBER, HENRY STANTON	23, Queen Street, Maidenhead.
WHITE, WALTER ERNEST COATES ..	Chatwood, Wokefield Green, Mortimer.

PROFESSIONAL ASSOCIATES :

AVEY, JOHN WILLIAM, N.D.A. ..	Chawridge Manor Farm, Winkfield, Windsor.
BODY, PELHAM TERRY COOPER ..	80, Basingstoke Road, Reading.
COLLINS, SYDNEY HERBERT ..	35, Addington Road, Reading.
DAWTON, HAROLD PULLEN ..	9, Oakley Road, Caversham, Reading.
DUNN, WILLIAM, JUN.	Hinton Farm, Twyford.
DUNSTER, HENRY FRANK	11, Brigham Road, Reading.
GALE-HASLEHAM, DUDLEY ALFRED	69, Grove Street, Wantage.
HITCHINS, WALTER WILLIAM.. ..	University College, Reading.
HUGHES, ARCHIBALD CECIL, CAPT.	The Ingle, Wokingham.
LEWIS, HUGH FRANCIS.. ..	Greenfield, Marlow Road, Maidenhead.
PAGINTON, MONTAGUE ..	Old Rectory Chambers, 2, Northbrook Street, Newbury.
PERRIN, JOEL WILLIAMSON HENRY	Crossfell, Tilehurst Road, Reading.
PIPER, PERCY JAMES	10, Northumberland Avenue, Reading.
POVEY, STEPHEN GODDARD	17, Blagrove Street, Reading.
SHORNEY, ARTHUR SHEPHERD ..	1, Talfourd Avenue, Reading.
SMALLBONE, HENRY JAMES	Streasley-on-Thames.
SOUTHGATE, CHARLES CROUCH ..	Twyford.
THAKE, ROBERT FREDERICK	
WILLIAM	Gleadlands, Newtown Road, Newbury.
TOWNSEND, CECIL PHILIP	Lawnfield, Castle Hill, Maidenhead.

PROBATIONER :

BOWYER, EDWARD BARRY ..	63, King's Road, Windsor.
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STUDENT :

GEORGE, HENRY CECIL	High Street, Bracknell.
HUMFREY, BRIAN BOUTCHER ..	Rosemont, Cookham Road, Maidenhead.
WAY, KENNETH EDWARD BRUCE	Shillingford, Wallingford.

BUCKINGHAMSHIRE.
(Berks, Bucks, and Oxon Branch.)

FELLOWS :

BOND, GERALD EDWARD ..	Buckingham.
COOTE, STANLEY VICTOR, M.A. (Oxon.)	"Germaines," Chesham.
*DUCHESNE, MARTIN COLLIER ..	Farnham Common, Slough.
ELLIS, GEORGE EDWARD ..	"Penkridge," Chesham, Bucks.
EVANS, ERNEST SYDNEY ..	District Valuer, Amersham Hill, High Wycombe.
FITCH, SIDNEY	25, Priory Road, High Wycombe.
HAMILL, JOHN, B.A.	7, Amersham Hill, High Wycombe.
JONES, DAVID JOHN	Hill Crest, High Wycombe.
RAFFETY, HAROLD VEZEY, O.B.E.	Underwood, Beaconsfield.
RAFFETY, PERCY CHARLES..	30, High Street, High Wycombe.
*VERNON, ARTHUR	The Rockery, High Wycombe.
VERNON, ARTHUR STANLEY ..	41, High Street, High Wycombe.
WALLER, HORACE	7, Amersham Hill, High Wycombe.
WIGLEY, SIDNEY PRUDDEN ..	Winslow.
YOUNG, ANDREW	Braeside, Whiteleaf, Princes Risborough.

PROFESSIONAL ASSOCIATES :

ALDERSON, CHARLES HENRY..	c/o J. J. Paine and Alderson, Amersham.
ASTBURY, CHARLES NORMAN ..	20, Upton Park, Slough.
BLAKE, ALFRED EVELEIGH ..	118, High Street, Slough.
BOON, ERNEST GEORGE FRED- ERICK	Ashmead Cottage, Skipton, Winslow.
BROMLEY, ALAN	Town Surveyor's Office, Slough.
DICKSON, DUNCAN PETER ..	The Brambles, Iver Heath.
DUCK, GEORGE FRANCIS ..	Estate Office, Station Approach, Ger- rard's Cross.
FLINT, ARTHUR	Rushmoor, Hazlemere, High Wycombe.
FOLL, WALLACE ARTHUR..	Bletchley.
FROST, ALFRED CARDAIN ..	Station Gates, Beaconsfield.
GAMBELL, PHILIP CLAYTON ..	83, High Street, Newport Pagnell.
GOODLAND, HENRY EDWARD ..	Council Offices, Slough.
GOSSLING, RUPERT EMERSON ..	Market Place, Princes Risborough.
HARRISON, HENRY BEAUCHAMP ..	Newington House, Windsor.
HAYES, FREDERICK PERCY ..	The Thornes, New Road, Chesham.
HEDGES, OSCAR JOHN ..	10, Temple End, High Wycombe.
HURCOMB, HAROLD FRANCIS ..	Baring Road, Beaconsfield.
JOHNSON, WILLIAM SPENCER ..	Milford Leys, Castlethorpe.
LAIRD, JOHN	High Street, Marlow.

LANE, ALFRED	34, High Street, High Wycombe.
LEE, ALFRED FREDERICK	15, High Street, High Wycombe.
MATHEW, ROBERT CHARLES	River View, Marlow.
ODAM, GEORGE MAXWELL	County Hall, Aylesbury.
PRICE, WILLIAM HARRY LYNE	272, Farnham Road, Farnham Royal.
ROBINSON, BENJAMIN GRANT	2, Canada Road, Slough.
STRATTON, PHILIP	21, Walton Street, Aylesbury.
ULYETT, LESLIE GEORGE STANTON	13, Pinewood Road, Gerrard's Cross.
VARDY, CHARLES ALFRED SILVER	Carlton, Lansdowne Avenue, Slough, Bucks.
WISE, WILLIAM CHARLES	Kenmure, Reynolds Road, Beaconsfield.

STUDENTS :

BOWYER, CHARLES PERCIVAL	18, Lansdowne Avenue, Slough.
BROAD, GEORGE HECTOR	45, Priory Avenue, High Wycombe.
JOINER, RONALD HUGH	224, High Street, Slough.
ROBERTS IVAN FREDERICK.. ..	Stone Croft, Aylesbury.

CAMBRIDGESHIRE.

(Cambridge, Huntingdon, Norfolk, and Suffolk Branch.)

FELLOWS :

BENNETT, CHARLES RICHARD	Isle of Ely County Council, County Hall, March.
*BIDWELL, CHARLES, M.A. (<i>Cantab.</i>)	Ely.
*BIDWELL, JOHN EVANS, M.A. (<i>Cantab.</i>)	11, Benet Street, Cambridge, and Fox Hill, Great Shelford, Cambridge.
BIDWELL, PHILIP SHELFORD	St. Mary's Street, Ely.
*CHALK, HENRY PHILIP.. .. .	Linton.
FRANCIS, RONALD GARNHAM	6, Blinco Grove, Cambridge.
HODGKINSON, NORMAN JOSEPH	11, Bennett Street, Cambridge.
HOLLAND, THOMAS JAMES, JUN.	Station Road, Kennett.
JONAS, HARRY MARSHALL, C.B.E... ..	27, Market Hill, Cambridge.
MARTIN, HEBER GAMBLING	Littleport, Isle of Ely.
*SCRUBY, WILLIAM THOMAS	29, St. Andrew's Street, Cambridge.
SMITH, FRANK BRAYBROOKE	School of Agriculture, Cambridge.
WHATLEY, ERNEST JAMES	Bernere, 31, Rock Road, Cambridge.
WRIGHT, WALTER BRERETON	6, Glisson Road, Cambridge.

PROFESSIONAL ASSOCIATES :

BAXTER, HAROLD JOHN	c/o Ouse Drainage Board, 6. St. Andrew's Street, Cambridge.
BROWN, EDWARD JAMES	5, North Terrace, Cherryhinton, Cambridge.
BUTLIN, HENRY SELWYN	27, St. John's Road, March.
FISHER, EDWIN GRAINGER	60, St. Barnabas Road, Cambridge.
GRAIN, HENRY HERBERT BRETT ..	66, St. Andrew's Street, Cambridge.
GRAIN, PETER BOVILL	66, St. Andrew's Street, Cambridge.
GRAY, PERCY WILLIAM	29, St. Andrew's Street, Cambridge.
HURST, NORMAN	34, Hill's Avenue, Cambridge.
JONAS, SAMUEL MARSHALL	27, Market Hill, Cambridge.
MARTIN, ALFRED GUY TRICE ..	County Hall, March.
MILLER, FRED	53, Eltisley Avenue, Newnham, Cambridge.
PEAKE, ALBERT EDWARD	County Hall, Cambridge.
PERKINS, FRANK KING	102, Burrells Walk, Cambridge.
RODWELL, LIONEL HELM	8, Sidney Street, Cambridge.
RUTTER, ARTHUR LIONEL, M.A. (<i>Cantab.</i>)	63, Sidney Street, Cambridge.

ASSOCIATE :

MACKENZIE, KENNETH JAMES JOSEPH	Department of Agriculture, Cambridge.
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STUDENTS :

DEAN, HENRY WILLIAM	16, Hope Street, Cambridge.
ELGAR, NIGEL EDWARD BERES- FORD	11, Benet Street, Cambridge.
MARTIN, JOSEPH HEBER	Highfield House, Littleport, Isle of Ely.

CHESHIRE.

(Lancashire and Cheshire Branch.)

FELLOWS :

BOLTON, FRANK HOLMES	"Eversley," Whaley Bridge.
BRADY, RALPH HOLLINSHED, M.B.E.	17, Warren Street, Stockport.
BROWN, WILLIAM ERNEST, D.S.O., M.C.	39, Pepper Street, Chester.

CARSWELL, ARTHUR GEMMELL ..	Capesthorpe, Chelford.
CARTWRIGHT, ALFRED STOTT..	Council Office, Wilmslow.
CLARK, HENRY DENTON ..	St. Peter's Churchyard, The Cross, Chester.
CROOK, FELIX ..	17, Hooley Range, Heaton Moor, Stock port.
CROPPER, RICHARD BLAYLOCK ..	5, St. Petersgate, Stockport.
DAVIES, HAROLD CLIFFE ..	97, Mount Road, Higher Tranmere, Birkenhead.
DAVIES, HORACE FRANCIS, A.R.I.B.A.	32, Grange Road, Brook Lane, Chester.
DORNING, ARTHUR HARRY ..	Holmleigh, Bowdon.
ELPHICK, GEORGE PELHAM ..	Inland Revenue, 23, Upper Northgate Street, Chester.
HALL, JOHN HERBERT ..	Mill House, Mobberley, near Knutsford.
HEWITT, FRANK ..	Rowsley, Bramhall.
HUTCHINS, GEORGE ..	Grosvenor Buildings, Newgate Street, Chester.
JOHNSON, HARRY LABRON ..	22, Elleray Park Road, Liscard.
JONES, ISAAC M., M.I.C.E. ..	The Town Hall, Chester.
*LINAKER, CHARLES EDWARD ..	Frodsham.
LINGARD, WILLIAM ..	Gorsefield, Davenport Park, Stockport.
LORING, JOHN ..	Doddington, Nantwich.
MCCRACKEN, WILLIAM ..	Englesea House, Crewe.
*MILLS, WILLIAM EDWARD ..	57, Hamilton Square, Birkenhead.
MILNES, CHARLTON ..	57, Hamilton Square, Birkenhead.
*PAIN, COARD SQUAREY ..	Bebington.
RIGHTON, CHARLES SHIRT ..	18, Market Street, Marple.
ROBINSON, GRAHAM F. P., B.E. (Dublin) ..	The Oaks, Penyfford, near Chester.
STEPHEN, JAMES EMIL ..	Mollington, Chester.
STOCKS, FREDERICK WILLIAM ..	Town Hall Chambers, Middlewich.
SWETENHAM, HENRY ..	49, North Gate Street, Chester.
SYMONS, GILBERT GEORGE, M.C..	Messrs. Barker, Coppack and Wickham, St. Werburgh's Chambers, Chester.
VOYCE, JOHN ..	3, Toleman Avenue, Lower Bebington.
WALLIS, JOHN DAVID ..	Stanecliff, Disley, Cheshire.
WILDING, JAMES ..	Town Hall, Runcorn.
WRIGHT, ISAAC THOMAS..	61, West Bank Road, Devonshire Park, Birkenhead.

PROFESSIONAL ASSOCIATES :

ADKINSON, EDGAR H. ..	Moor View, Lumb Lane, Bramhall.
BATEMAN, FRANK GRAHAM ..	1, Stanley Place, Chester.
BEE, DAVID ..	17, Pepper Street, Chester.
BELL, CYRIL ROBERT ..	The Estates Office. High Street, Tar- porley.
BIGGS, GEOFFREY CAMERON..	Eaton Cottage, Congleton.
BOWKER, ARTHUR ..	11, Acton Road, Rock Ferry.

CHAPPELL, JOHN	54, Station Road, Reddish, Stockport.
CLARKE, PERCY EDWARD	Reaseheath, Nantwich.
CLEWORTH, WILLIAM ARMINE ..	Bunbury, Tarporley.
COOKE, REGINALD ARTHUR ..	Crossfield House, Winsford.
CRAGG, WALTER	13, Clifton Road, Altrincham.
DAWSON, JOSEPH ARTHUR ..	7, Park Road South, Birkenhead.
DICKINSON, WILLIAM GREENHALGH	St. Werburgh Chambers, Chester.
EASTWOOD, CHARLES WILLIAM ..	57, Parkgate Road, Chester.
ESCOLME, JOHN	56, Hamilton Square, Birkenhead.
FIRTH, WILLIAM JAMES, A.M.I.C.E.	Hazelholme, Buxton Road, Stockport.
GANDY, ROBERT NEWTON	Northwich.
GRIFFITHS, HAROLD	5, Hamilton Square, Birkenhead.
HENSHAW, LINDLEY	Beech Dene, Davenport Park, Stockport
HOBBS, HERBERT PRENZEL ..	Norville, Holly Road, Heaton Chapel.
HUGHES, NORMAN	Lyndhurst, Storeton Road, Prenton, Birkenhead.
HUTSON, EWART GRAY	Water Engineer's Office, 52, Balls Road, Birkenhead.
JOHNSON, HERBERT DAVIES	Fairfield Cottage, Great Budworth, near Northwich.
LAWTON, WILLIAM	Rainbow Road, Hurdfield, Macclesfield.
McNICOL, JOHN, A.R.I.B.A. ..	City Surveyor's Office, Town Hall, Chester.
MARSLAND, TOM	The Heathers, Disley, nr. Stockport
NEWELL, LEOPOLD MONK	c/o J. Newell, Esq., J.P., Intabene, Upton Road, Birkenhead.
NEWLING, ARTHUR GWYN	26, Hawarden Avenue, Liscard.
PATON, HUGH	Arley Green, Northwich, Cheshire.
PEIRCE, PETER CARRINGTON ..	30, St. Petersgate, Stockport.
PERKIN, CHARLES	8, Newbould Road, Cheadle.
PRESCOTT, MATTHEW SWIFT ..	2, Rivershill, Glebelands Road, Ashton- on-Mersey.
PRICE, JOHN ROWLAND	102, Bradwall Road, Sandbach.
PYE, GEORGE HENRY	Rocklyn, Barkers Lane, Ashton-on- Mersey.
RHODES, BERTRAM	Lilpho, Groby Road, Altrincham.
ROBERTS, JOHN	Churton Villa, Tarvin Road, Chester.
SAXON, FREDERICK CHARLES ..	Cathedral Chambers, St. Werburgh Street, Chester.
SHELDON, FREDERICK CHARLES ..	Alderley Edge.
SHELDON, HAROLD	Kinderton Street, Middlewich.
SLADE, ISAAC	The Hey, Claremont Road, West Kirby.
SMITH, CHARLES HERBERT	19, Ashburn Road, Heaton Norris, Stockport.
STEPHEN, DUNCAN JOSEPH	Mollington, Chester.
TALLON, JOSEPH FRANCIS	1, Bold Square, Chester.
TOMMIS, GEORGE HAROLD	Ravenswood, Wilmslow.

TYRER, JOHN MORGAN HOWARD	H.M.O.W., Lion Street, Congleton.
WATSON, ARTHUR BRIGGS	52, College Drive, Rock Ferry.
WELCH, JAMES COLIN	Warwick Road, Hale.
WHIPP, JOHN ROLAND	Woodhey, Sylvan Avenue, Brooklands.
WILD, ALBERT	2, Grafton Street, Hyde.
WILLIAMS, HAROLD CEDRIC	72, Victoria Road, Birkenhead.

PROBATIONERS :

BRIDGFORD, JAMES ALAN	The Manor, Shorston, Northenden.
PATERSON, JOHN RIMMER	The Knowles, Mere Farm Road, Oxtol, Birkenhead.

STUDENTS :

BACON, SIDNEY GEORGE	13, Alderley Avenue, Claughton, Bir- kenhead.
CROSS, FRANCIS WILLIAM BARHAM	Milton Cottage, Cheadle.
JACKSON, FREDERICK WILLIAM ..	c/o Driver Jonas & Co., t. Peter's Churchyard, The Cross, Chester.
JOSEY, TOM	15, Beaconsfield Street, Chester.
SUTTON, PHILIP ROWLEY ..	Cranford, Bramhall Park, Cheadle Hulme.
WALTHER, RAYMOND	Dee Villa, 5, Ethelbert Road, Meols.

CORNWALL.

(Devon and Cornwall Branch.)

FELLOWS :

*BEDDALL, HERBERT BOWMAN, N.D.A., M.B.E.	9, Strangway Terrace, Truro.
BULTEEL, WALTER GORDON	Charlestown, St. Austell.
JEFFERY, FRANCIS WILSON	Star Castle, St. Mary's, Scilly.
*JENKIN, ARTHUR PEARSE	Trewirgie, Redruth, Cornwall.
TRESIDDER, HENRY EDMUND	24, Marlborough Road, Falmouth.
WALDER, WILLIAM GASKIN	Wave Crest, Looe.

PROFESSIONAL ASSOCIATES :

BINGHAM, WILLIAM RAPER	11, Pydar Street, Truro.
BRIGHT, TOM SPENCER	Tehidy Office, Camborne.
COWELL, HERBERT LEE	Central Chambers, Newquay.
FRANCIS, EDWARD THORPE	Halliwell, Eastbourne Road, St. Austell.
HANCOCK, HENRY SYDNEY, JUN. ..	Sydney Place, St. Austell.
HARRISON, JAMES ALLEN	4, Treyew Road, Truro.
KINGSTON, ARCHIBALD LAWRENCE	County Hall, Truro.

KNAPMAN, HARRY LETHBRIDGE	2, West Place, Albany Road, Falmouth.
LYNE, HARRY	Miramar, Tregolls Road, Truro.
LACKINNON, ALEXANDER DENT	
OSWALD	The White House, St. Austell.
McVICAR, CHARLES MORRISON	
GUTHRIE	3, Coronation Terrace, Truro.
ETER, ARTHUR GRANVILLE	Northernhay, Launceston.
ROBERTS, HERBERT JOHN	Manor Office, Chy-an-Eglos, Marazion, S.O.
LUSE, JOHN	28, Church Street, Falmouth.
TANIER, THOMAS MACPHERSON ..	Duchy of Cornwall Office, Liskeard.
TEVENS, ALFRED GEORGE	c/o F. Stevens, Esq., 4, Western Build- ings, The Prazze, Penryn.
IDDY, DAVID GEORGE REGINALD	Assistant Surveyor's Office, Bodmin.
RENCH, WALDO TALBOT	Penjerrick, Falmouth.

PROBATIONER :

FORCOM, PHILIP DENNIS	Stuart House, Liskeard.
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CUMBERLAND.

(Cumberland and Westmorland Branch.)

FELLOWS :

BIRKETT, TOM, M.B.E.	Foxton House, Penrith.
HESKETT, WILLIAM JAMES	St. Andrew's Churchyard, Penrith, and Viaduct Chambers, Carlisle.
AWRENCE, CHARLES PHILLIPS ..	8, Carleton Gardens, Stanwix, Carlisle.
ITTLE, WILLIAM	Hutton Hall, Penrith.
ITCHELL, JOSEPH	Devonshire Buildings, Carlisle.
RICHARDSON, GEORGE	5, Lonsdale Street, Carlisle.
OOK, JOSEPH TAYLOR	22, Chatsworth Square, Carlisle.
TANLEY - DODGSON, STANLEY	Estate Office, Somerset House, White- haven.
DICKINSON	
VATSON, HERBERT JOHN	St. Helen's, Cockermouth.
ATT, ALEXANDER	Muncaster Estate Office, Ravenglass.
ILFORD, CECIL MARSHALL	Cathedral Chambers, Castle St., Carlisle.
COOF, ROBERT STEPHENSON	Lowther, Penrith.

PROFESSIONAL ASSOCIATES :

BROWN, THOMAS	St. Andrew's Churchyard, Penrith.
LIANT, ARTHUR GUY	35, Spencer Street, Carlisle.
UFF, JOHN	75, Scotland Road, Carlisle.
BEBBINGS, OLIVER DURANT	30, Lowther Street, Carlisle.

GRAHAM, HENRY IRVING	Eller Bank, Harrington.
HOLLIDAY, JOHN	Estate Office, Greysouthen, Cockermouth.
KNEWSTUBB, ALFRED	Long Marton, Carlisle.
MUSGRAVE, HAROLD	c/o J. Birkett & Son, Land Agent, Penrith.
PICKERSGILL, ALFRED	205, Goodwyn Terrace, Currock, Carlisle.
ROBB, THOMAS WRIGHT	15, Warwick Road, Carlisle.
ROBLEY, JOHN	Ingleberg, Beckermeth.
TIFFEN, JOHN HALL	142, Warwick Road, Carlisle.
TIFFEN, THOMAS WILLIAM	142, Warwick Road, Carlisle.
WARBRICK, GEORGE NEWTON	Pool House, Silecroft.
WATT, ALEXANDER	Irthside, Holmbrook.
WATT, ALEXANDER LINDSAY	Muncaster Estate Office, Ravenglass.
WRIGHT, JOHN	Brunswick House, Brunswick Square, Penrith.

ASSOCIATE :

HILL, JOHN SMITH, B.A., B.SC. (*Lond.*) | Estate Office, Greystoke, Penrith.

STUDENT :

SPARK, JONATHAN PERCY | Nentholme, Alston.

DERBYSHIRE (NORTHERN PART).
(Nottingham, Lincoln, and North Derby Branch.)

FELLOWS :

*BARNES, GEORGE FREDERICK	New Square, Chesterfield.
BELL, WILLIAM JOHN	4, Highfield Road, Chesterfield.
DEACON, MAURICE	Chase Cliffe, Whatstandwell, near Matlock.
HUBBERSTY, HENRY ALFRED	Buxton.
JENNER, WILLIAM	6, Gluman Gate, Chesterfield.
LONGSDON, ERNEST MOREWOOD	The Hollow, Little Longstone, near Bakewell.
MAY, THOMAS HENRY	"Harefield," Marlborough Road, Buxton.
MURRELL, SIDNEY JAMES	District Valuer, 6, Gluman Gate, Chesterfield.
THORPE, CHRISTOPHER	20, Clarence Road, Chesterfield.

PROFESSIONAL ASSOCIATES :

ATTLEE, EDWARD GUY	Green Lane, Burbage, Buxton.
BUNTING, ALFRED HENRY	Glendon, Knowleston Place, Matlock.
CLARK, WILLIAM ERNEST	Westholme, Heage Road, Ripley.
DAY, CYRIL WALTER	Victoria Buildings, Alfreton.
DREWRY, GEORGE HAYWARD	Hargate Hall, Miller's Dale, Buxton.
ELSE, CHARLES GLOSSOP	Park Lodge, Fritchley, near Derby.
HAGON, LEONARD	2, Priory Road, Alfreton.
JONES, DAN IVOR	6, Glumar Gate, Chesterfield.
MARSHALL, WILLIAM THOMAS, M.A. (Oxon.)	Thorn Tree, Matlock.
MITCHELL, JOHN RICHARD DANIEL	77, Abbey Street, Derby.
OGDEN, FREDERICK SORESBY ..	The Yews, Stanley, near Derby.
RYLATT, WALTER PUCKERING, A.R.I.B.A.	The Crescent, Hathersage.
COMLINSON, FRED	Station Road, Brimington, Chesterfield.

DERBYSHIRE (SOUTHERN PART).

(Warwick, Worcester, Stafford and South Derby Branch.)

FELLOWS :

CLARKE, ROBERT, CAPT.	2, Hartington Street, Derby.
CLAY, WILLIAM HENRY CHRISTY, A.M.L.C.E., O.B.E.	Estate Office, Midland Railway, Derby.
LEGG, HERBERT	100, Clarence Road, Derby.
FULLER, THOMAS ALFRED	The College, All Saints', Derby.
HADLEY, FRANK	Valuation Office, 8, Stafford Street, Derby.
LEWITT, CHARLES RICHARD	122, London Road, Derby.
MOOLEY, ARTHUR JOHN	The College, All Saints', Derby.
LEWIS, GEORGE ALFRED	Midland Road, Derby.
LEWIS, PERCY WILLIAM	Park Leys, Duffield, Derby, and Midland Road, Derby.
MITTON, HENRY EUSTACE	Ormonde Fields, Codnor, Derby.
RAYTON, EDMUND	2, Mill Hill Road, Derby, and Crompton's Bank Chambers, Midland Road, Derby.
RUSSELL, FREDERICK JAMES ..	c/o J. and W. Heathcote, The Mart, Derby.
COMLINSON, THOMAS	2, St. James's Street, Derby.
WELLS, ARTHUR HARVEY	8, Stafford Street, Derby.
WHITAKER, HUGH	Valuation Office, 8, Stafford Street, Derby.

PROFESSIONAL ASSOCIATES :

EATON, GEORGE MORLEY	The Summit, Burton Road, Derby.
FISHER, JAMES THOMAS	8, Stafford Street, Derby.
GANDY, HAROLD	Bailey Croft House, Wirksworth, Derby.
LE SUEUR, ARTHUR DENNIS CARRINGTON	c/o H. J. Wigram & Co., Old Bank House, Irongate, Derby.
MCCALLUM, PETER SERVICE	Holly Bush House, Osmaston Road Derby.
MARSHALL, TOM OWEN	Estate Office, Midland Railway, Derby.
MARSHALL, WALTER KINSMAN ..	Radbourne Estate Office, near Derby.
PAGE, JOHN THOMAS	36, Strutt Street, Derby.
SAVAGE, RICHARD BRUCE	Clifton House, Whaley Bridge.
SHARPE, HENRY ERNEST	236, Osmaston Road, Derby.
THOMPSON, FREDERICK HUBERT ..	20, Corn Market, Derby.

PROBATIONER :

ADAMS, ALFRED CHARLES	18, Livingstone Road, Derby.
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STUDENTS :

CHADWICK, JOHN BERTRAM	The Hollies, Darley Abbey, near Derby.
ELLIS, HARRY WHITTAKER	119, Pear Tree Street, Pear Tree Derby.

DEVONSHIRE.

(Devon and Cornwall Branch.)

FELLOWS :

BAKER, ERNEST JOHN	Works Department, H.M. Dockyard Devonport.
BARKER, GEOFFRY LIONEL	5, Garston Road, Abbotsbury, Newton Abbot.
BODDINGTON, PERCY EDGAR	Inland Revenue, 51, Queen Street, Exeter.
*BODY, ARTHUR, A.R.I.B.A.	22, Lockyer Street, Plymouth.
BOURNE, ROBERT ELLIOTT	Elwell, Totnes.
*BOWDEN, HARRY	Wilts and Dorset Bank Chambers, George Street, Plymouth.
*BOWDEN, JOHN FRIENDSHIP	Bedford Chambers, Exeter.
BRAY, JOHN SANDERS	18, High Street, Totnes.
BURNETT, JOHN, MAJOR	Estate Office, Stoodleigh, Tiverton.
CHAMPERNOWNE, AMYAS WALTER	Sidbury Manor Estate Office, Sid- bury, Sidmouth.
*DREW, HENRY ALBAN	24, East Southernhay, Exeter.
*DREW, JOHN GOULD, B.A. (<i>Oxon.</i>)	24, East Southernhay, Exeter.
*ELLIS, ALBERT EDWARD	Bedford Chambers, Exeter.
*FENTON, ADAM DOUGLAS	Maristow Estate Office, Roborough.

FOSTER, JAMES HERBERT FURMEDGE	The Rolle Estate Office, Exmouth. Grove Hill, Barnstaple.
FOX, FREDERICK RUSSELL	Borough Engineer and Surveyor, Municipal Buildings, Plymouth.
FRANK, THOMAS PEIRSON. A.M.I.C.E.	2A, Fleet Street, Torquay.
GOSS, HARRY CHARLES	5, Tavistock Road, Plymouth.
HAMLYN, ERIC HENLEY	Valuer's Office, 20, Princes Square, Plymouth.
HARRISON, GEORGE JOHN ROBERT- SON	Estate Office, Cockington, Torquay.
KERSLAKE, THOMAS HENRY	Clooneavin, Lynton.
LIVING, ROBERT	Guildhall Chambers, High Street, Exeter.
*LUCAS, JOHN ARCHIBALD, F.R.I.B.A.	Gate House, Totnes.
*MICHELMORE, ALFRED	18, Cathedral Yard, Exeter.
PAYNTER, E. ERNEST W., N.D.A. (Hons.), N.D.D.	The Green, Modbury.
PEARSE, THOMAS WILLIAM	Stoliford, Modbury.
PEARSE, WILLIAM	Inland Revenue, Barclay's Bank Chambers, Plymouth.
PINSENT, FRANCIS WINGFIELD HOMFRAY	Market Terrace, Newton Abbot.
*RENDELL, ARTHUR STEPHEN	1, Cross Street, Barnstaple.
ROFF, HENRY GRIFFITHS	Bedford Office, Tavistock.
*RUNDLE, EDWARD COLLINS	Estate Office, Castle Hill, near South Molton.
*SMYTH - RICHARDS, GEORGE COBLEY, O.B.E.	Bridge Chambers, Bideford.
*STAPLEDON, ERNEST ALLEN	Valuation Department, 51, Queen Street, Exeter.
*TORY, JOHN EDWARD	10, Croft Lea Park, Ilfracombe.
VICKERS, ALFRED CRANSTOUN	97, Queen Street, Exeter.
VINING, ERIC LESLIE RANDALL	Saltram Estate Office, 1, Buckland Terrace, Plymouth.
WADE-DALTON, WILLIAM LECHMERE	5, Osborne Villas, Stoke, Devonport.
WALMSLEY, ARTHUR TINDAL, MAJOR	Cumurrew, Yelverton, R.S.O.
WARD, ALEXANDER HENRY	Brooklands, Tavistock.
*WARD, DANIEL	Burnville, Tavistock.
*WARD, FRANK	R.E. Office, Weymouth.
WENBORN, SIDNEY THOMAS, MAJOR	24, Gandy Street, Exeter.
*WHITTON, PERCY	50, Queen Street, Exeter.
WOODCOCK, ROBERT FRANK	21, Cathedral Yard, Exeter.
WRIGHT, CHARLES LEE	Royal Engineer Office, Town Barracks, Exeter.
WRIGHT, GEORGE JOHN, MAJOR	

PROFESSIONAL ASSOCIATES :

BAKER, ERNEST JOHN	Uffculme.
BAKER, GEORGE WILLIAM	14, St. James' Terrace, The Hoe, Plymouth.

BLISS, THEODORE STEVEN	Bedford Office, Tavistock.
BLYTH, HAROLD KING	c/o Superintending Chief Engineer's Dept., H.M. Dockyard, Devonport.
BRIMMELL, WILLIAM LANGDON ..	7, Salcombe Terrace, Plymouth.
CHALLICE, JOHN	7, Bedford Circus, Exeter.
CLOWES, WILLIAM LEONARD ..	18, Salisbury Road, Plymouth.
CONRAN, WILLIAM ADAM BASTARD	Bradridge House, Diptford, South Brent.
COULDREY, HERBERT MILL	Sunniva, Paignton.
COX, GORDON WILKINSON	Kinbrae, Chelston, Torquay.
DARBY, NICHOLAS HENRY NELSON	Elm Villa, Courtenay Rd., Newton Abbot.
DREW, JOHN DENYS	24, East Southernhay, Exeter.
FLOWER, JOHN JAMES	Seale-Hayne Agricultural College, New- ton Abbot.
FOOT, WILLIAM GEORGE	41, High Street, Totnes.
HAMMICK, GEORGE FREDERICK ..	Estate Office, Kingsteignton, S. Devon.
HARDING, CHARLES RICHARD ..	Hillside, Honiton.
HASLEHUST, ERIC THOMASSET ..	Manor Office, Yealmpton.
HOLDITCH, CHARLES STANLEY	21, Lockyer Street, Plymouth.
HOLE, WILLIAM GERALD	Bovey Tracey.
LUMLEY, FREDERICK ROBERT ..	Mamhead Park, Exeter.
MATTHEWS, DOUGLAS PERCIVAL ..	Valuer's Office, Barclay Bank Chambers, Princess Square, Plymouth.
MIDDLETON, CECIL BERNARD	Rosemount, Honiton.
PEARSE, WALTER PITTS	Barncott, Plympton.
PERRIN, FRANK JAMES	Bridge Buildings, Barnstaple.
RADDALL, THOMAS	1, Kirkby Place, Plymouth.
ST. AUBYN, BELVILLE MOLES- WORTH, B.A. (<i>Oxon.</i>)	Halwell House, Kingsbridge.
SAUNDERS, EDWARD YOUNGS ..	Borough Surveyor's Office, Barnstaple.
SMYTH-RICHARDS, FREDERICK GEORGE	Filleigh Lodge, near South Molton.
SOUTHCOMBE, JOHN CHARLES ..	Bridge Buildings, Barnstaple.
THWAITES, ARTHUR MILBANK ..	59, Bedford Street, Plymouth.
WARD, CECIL GORDON	44, Headland Park, Plymouth.
WARD, EDWARD JOHN	1, Burgoyne Villas, Alma Road, Ply- mouth.
WARD, FRANK, JUN.	Burnville, Tavistock.
WARD, PASCOE LEIGH	Brooklands, Tavistock.
WILKINSON, HENRY THEODORE ..	Brentor, Tavistock.
WILLIAMS, WILLIAM HENRY ..	7, Fort Terrace, Barnstaple.
WONNACOTT, JAMES PALMER ..	50, Queen Street, Exeter.
YELF, JACK ROBERT	The Manor House, Kingsbridge.

PROBATIONERS :

FOALE, LEONARD	Garston House, Paignton.
MOORE, LEWIS JACK	Templeton, Bridge Road, Torquay.
PERKINS, WALTER C.	Laurel Villa, Bampton.
WARREN, JOHN ROBERT HOARE	Fore Street, Buckfastleigh.

STUDENTS :

HEAL, CLIFFORD HENRY	62, Fore Street, Totnes.
KESLAKE, LEONARD JOHN	Post Office, Budleigh Salterton.
PENWILL, FRANK RALPH	"Avon," Torby Road, Livermead, Torquay.
REES, CLAUDE COPP	Crighton, The Avenue, Sidmouth.
SMITH, JOSEPH WILLIAM	Surveyor's Office, Town Hall, Tiverton.
WARD, EDWARD REX	Brooklands, Tavistock.

DORSETSHIRE.

(Hampshire, Dorset, and South Wilts Branch.)

FELLOWS :

BURCH, ARTHUR EDWIN.. ..	Earl of Wilton's Estate Office, New Street, Weymouth.
*CANDY, WALTER EMMANUEL	Encombe, Wareham.
CRICKMAY, HARRY WILLIAM	49, St. Mary Street, Weymouth.
*DAY, GEORGE CARLETON	Estate Office, Woodbridge, Shaftesbury.
DUKE, AUGUSTUS BARNABY CYRIL	West End House, Martinstown, nr. Dorchester.
*DUKE, EDWARD	Dorchester.
ELFORD, JOHN	Eastlea, Wimborne Road, Poole.
HIBBS, NORMAN HADLEY	Breeze Cottage, Sandbanks, Parkstone.
HOARE, ARTHUR JOHN	District Valuer's Office, 28, High West Street, Dorchester.
HUSON, ERNEST WILLIAM	131, Dorchester Road, Weymouth.
MEABY, THOMAS JAMES	Canford Estate Office, Wimborne.
MORRISH, WILLIAM JAMES MARMA- DUKE, B.A., F.R.I.B.A.	Wyke Road, Gillingham.
RAWLENCE, ARTHUR RAYMOND..	Dyrham, Sherborne.
*RAWLENCE, JAMES	The Estate Office, Wimborne.
*RICHARDS, GEORGE EDWARD ..	Stour Lodge, Wimborne.
*SANCTUARY, CAMPBELL FORTESCUE STAPLETON	Bridport.
SANCTUARY, CAMPBELL THOMAS, CAPT.	Bridport.
*SENIOR, HARRY SAMUEL	Sturminster Newton.

PROFESSIONAL ASSOCIATES :

ARMSTRONG, CLIVE HEATH	Courthill, Bournemouth Road, Park- stone, Dorset.
BROOKS, WILLIAM NATHANIEL ..	Tillhays, Iwerne Minster, Blandford.
DUKE, HENRY EDWARD.. .. .	Maen, Dorchester.
HEWETT, WILLIAM RICHARD	Hillcrest, Rowlands, Wimborne.
INGRAM, EDWARD CECIL.. .. .	The Bungalow, Sturminster Newton.

JAMIESON, WILLIAM ARTHUR ..	Borough Engineer's Office, Weymouth.
KAY, GEORGE	District Valuer's Office, 28, High West Street, Dorchester.
OLDNALL, ROGER WILLIAM, B.A. (<i>Cantab.</i>)	Oldfield, Sherborne.
OWEN, THOMAS BURWOOD ..	12, West Street, Walsford, Wimborne.
PRANCE, CHARLES WILLIAM ..	Council Offices, Wimborne.
SPARKS, FERNLY GEORGE ..	Royal Naval Cordite Factory, Holton Heath, near Wareham.
STANFORD, FRANK ERLYSMAN	County Offices, Dorchester.

PROBATIONER.

BRANSON, WILLIAM PHILIP	
GRAHAM	Tower House, Gillingham.

STUDENTS :

FOOKES HENRY FREDERICK	
ROBERT	Milton Abbas, Blandford.
THORNE, MICHAEL CHRISTOPHER	Estate Office, Wimborne.

DURHAM.

(Northumberland and Durham Branch).

FELLOWS :

ASKWITH, ARTHUR	29, Nevilledale, Durham.
*BROWN, GEORGE THOMAS, F.R.I.B.A.	51, Fawcett Street, Sunderland.
CLARK, NATHANIEL, JUN. ..	Tanfield Hall, Tantobie, S.O.
COATES, FREDERICK ERNEST..	5, The Craiglands, Sunderland.
COCHRANE, WILLIAM JAMES..	15, Thornhill Terrace, Sunderland.
HARLAND, HENRY CHAPMAN ..	28, Cranbourne Terrace, Stockton-on- Tees.
HEWITT, DONALD	The Poplars, Laburnham Avenue, Durham.
MATKIN, GEORGE EDWARD ..	Town Hall, Sunderland.
*MILLER, JOHN EZRA	4, Brookside Terrace, Sunderland.
MORTON, WILLIAM	45, John Street, Sunderland.
OLIVER, CHARLES EDWARD ..	Consett Iron Co., Ltd., Consett.
PROWSE, ALBERT EDWARD, M.B.E.	Lambton House, Birtley.
RAE, THOMAS HERDMAN.. ..	10, Belle Vue Road, Sunderland.
REID, EDWARD DECIMUS ..	7, Ashwood Terrace, Thornhill, Sunde- land.
RODHAM, JOHN.. .. .	16, Finkle Street, Stockton-on-Tees.
ROWLANDSON, SAMUEL MESSITER, CAPTAIN.. .. .	The College, Durham.
SOUTH, ARTHUR EDWARD ..	1, Victoria Road, Darlington.
SPAIN, JOSEPH	The Nook, East Boldon, S.O.
STUART, FRANCIS DONALD ..	Valuation Office, 1, Victoria Roa- Darlington.
WILLEY, FREDERICK, F.R.I.B.A.	5, Crossgate Peth, Durham.

PROFESSIONAL ASSOCIATES :

ADDISON, JOHN PERCIVAL	Meadowsfield, Brandon Colliery, Durham.
ALLEN, JOHN PARNELL, MAJOR ..	27, St. Bede's, East Bolden.
ARMOUR, ANDREW LAMONT, B.SC.	54, Bewick Road, Gateshead.
AYNSLEY, JOHN THOMAS OLIVER	13, Victoria Avenue, Bishop Auckland.
BATCHELOR, PERCIVAL	14, Blackwellgate, Darlington.
BOWES, ALFRED STANLEY	North Holme, Whitburn, Sunderland.
BURKITT, HAROLD, M.SC. (<i>Durham</i>), N.D.A.	Woodside House, Witton Park.
CARNABY, HAMMOND RIDLEY ..	34, Hepscott Terrace, South Shields, Durham.
CHEYNE, ALEXANDER	Durham County Council, Sedgfield, Ferryhill.
CLAYTON, JOSHUA	60, Orchard Road, Darlington.
DUNBAVAND, EUSTACE.. .. .	Hutton Avenue, West Hartlepool.
EADE, CHRISTOPHER AYLMER ..	Branson House, Darlington.
EELES, HENRY SWANSTON ..	Greencroft Park, Lanchester.
GIRVEN, FREDERICK WILLIAM ..	Surveyor's Dept., R.D.C. Offices, Easing- ton.
GORE, GEORGE PYM.. .. .	81, Bondgate, Darlington.
GOULDING, GEORGE DIXON.. ..	2, Mount Road East, Sunderland.
GRAHAM, EDWARD	Union Offices, Chester-le-Street.
HARRISON, ARTHUR	The Hermitage, Norton-on-Tees.
HARRISON, WILLIAM MICHAEL ..	Dunoon, Greenbank Road, Darlington.
HEDLEY, THEODORE FENWICK	26, Beechwood Avenue, Darlington.
HESLOP, JOHN REDVERS	The Oaks, Burnopfield.
HEWSON, CHARLES GEORGE	64, Victoria Embankment, Darlington.
HINDMARSH, JAMES	55, Mitchell Street, Birtley.
MILBURN, WILLIAM, JUN.	8, Thornhill Park, Sunderland.
MINORS, ERNEST, B.SC. (<i>Lond.</i>), A.M.I.C.E.	Borough Surveyor's Office, Town Hall, Darlington.
ODDY, JOSEPH RONALD RIDLEY	Meadow Bank, Castle Eden.
PATTEN, JOHN	3, Gladstone Villas, Durham.
PEGGE, JOHN THOMAS	City Surveyor's Office, Durham.
RICHARDSON, BENJAMIN	William Street, Houghton-le-Spring.
SEDGWICK, ERNEST.. .. .	12, Waterloo Place, Sunderland.
STEWART, CUTHBERT BERTRAM	29, Stanhope Road, Darlington.
THOMSON, DAVID	County Court Buildings, Elvet Waterside, Durham.
WAITE, GEORGE DAWSON	Brynteg, Middleton St. George.
WINTER, JAMES DUFFIE	16, Walton Street, Gateshead-on-Tyne.

PROBATIONER :

PARKER, ROBERT	67, Lichfield Street, Gateshead.
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STUDENTS :

HALL, PERCY	Crandale View, Station Avenue, Brandon Colliery Co., Durham.
HENDERSON, GEORGE WILLIAM ..	Ashley Villa, Redworth Road, New Shildon.
WILSON, GEORGE NORMAN ..	Rose Hill, Kensington Road, Sunderland.

ESSEX.

(Bedford, Essex, Hertford, and Middlesex Branch.)

FELLOWS :

AYLOTT, JOSEPH	Heavywaters, Chadwell Heath.
BATE, ERNEST MONTAGU	The Rowans, Fourth Avenue, Frinton-on-Sea.
CLARK, DUNCAN WALTER	St. Runwalds, 3, West Stockwell Street, Colchester.
CLARKSON, WILLIAM. JUN.	9, Valkyrie Road, Westcliff-on-Sea.
COVERDALE, FREDERICK JOHN ..	Ingatestone Hall.
CUNDY, HENRY I.	Oakhurst, Forest Rise, Walthamstow, E.17.
DANIELL, FREDERICK STANLEY ..	Head Gate, Colchester.
DAWSON, CHARLES FORD	Public Offices, Barking.
GOADBY, HOWARD	17, Cossington Road, Westcliff-on-Sea.
HILLIARD, GEORGE EDWARD	Chelmsford.
HORSER, COTTERELL WALTER ..	65, Cleveland Road, South Woodford, N.E.
HUNNINGS, ARTHUR	112, Baxter Avenue, Southend-on-Sea.
JEYES, CHARLES RIX	The Lindens, Hutton.
LOW, JAMES BARTLETT HYDE ..	74, Duke Street, Chelmsford.
MOXON, HERBERT WILLIAM, LT.-COL., O.B.E.	Royal Engineer Office, Abbey Field, Colchester.
NEIL, DAVID MAXWELL	13A, Westcliff Park Drive, Southend-on-Sea.
PARKER, CHARLES ALFRED	Woodham, Mortimer Place, Maldon.
PEMBERTON, BASIL CHARLES ..	18, Errington Road, Colchester.
PIERCE, EDWARD LEMUEL	Valuer's Office, Inland Revenue, Romford.
PRATT, FRANK PERCY	23, Eastern Road, Romford.
PYLE, BENJAMIN THOMAS RICE	Town Grove, Hatfield Heath, Harlow.
RIPPENGAL, ARTHUR HENRY ..	Brentwood.
ROGERS, ARTHUR CECIL	521, Barking Road, Plaistow, E.
ROWETT, FREDERICK JOSEPH LANCASTER	Valuation Office, 29, Romford Road, Stratford, E.15.
SANSOM, WILLIE STANLEY VENN ..	23, Ireton Road, Colchester.

SAUNDERS, EDGAR WALTER	23, Eastern Road, Romford.
SHINER, FREDERIC WALTER	Farley, Palmer's Avenue, Grays.
SLATER, ERIC ARNOLD	Town Hall, Colchester.
SPOONER, HERBERT JOHN	55, Woodcote Road, Wanstead.
STANFORD, CHARLES MAURICE	23, High Street, Colchester.
*STRUTT, THE HON. EDWARD GERALD, C.H.	Whitelands, Hatfield Peverel, Witham.
UPSDALE, ANDREW REID	738, Romford Road, Manor Park, and 11, Granville Road, Ilford.
WAYMOUTH, JOHN KENNERLEY	41, High Street, Southend-on-Sea.
WONTNER-SMITH, PERCY	Valuer's Office, 29, Romford Road, Stratford, E.
YOUNG, CHARLES EDWARD.. ..	East Street, Barking.

PROFESSIONAL ASSOCIATES :

ANDREWS, ARTHUR GEORGE, Lic.R.I.B.A., M.Inst.M.I.C.E.	Borough Surveyor's Office, Town Hall, Colchester.
ANSTEAD, SYDNEY HERBERT	Wall End House, East Ham, E.6.
BACON, FRANK	Sydenham Lodge, Tavistock Road, South Woodford.
BALLS, JAMES MAYHEW.. ..	Braintree.
BALSTER, STEPHEN	32, Lockwood Road, Ilford.
BATES, STACY JAMES	4, Prittlewell Square, Southend-on-Sea.
BEESTON, PERCY CLEMENT	11, King Edward Road, Romford.
BEKEN, REGINALD WALTER	213, Hoe Street, Walthamstow, N.E.
BELCHAM, ALAN SYER	44, Brightwell Avenue, Westcliff-on-Sea.
BERRY, CHARLES EDWARD	Oak Hall, High Stone, Leytonstone.
BINNS, MAURICE ALFRED	84, Westcliff Park Road, Westcliff-on-Sea.
BLANCHARD, LOUIS MATTHEW	Surveyor's Dept., Town Hall, Clacton- on-Sea.
BOARDMAN, JOHN WILBERFORCE	Hadley, Woodford Green.
BOWLING, PETER JAMES	Lake Estate Office, Canvey Island, S. Benfleet.
BROOKS, JOHN THOMAS	39, Sebert Road, Forest Gate, E.7.
BROWNING, EGBERT GEORGE	89, Orford Road, Walthamstow, E.
BRUCE, REGINALD	Hypatia, Rockingham Avenue, Romford.
BUTLER, REGINALD	Clyde House, 51, Romford Road, Stratford, E.
CATON, WILFRED ABRAHAM	30, Vicarage Gardens, Seven Kings.
CLARK, WILLIAM HENRY.. ..	16, Shrub End Road, Colchester.
CLARKSON, JOHN	74, Aberdour Road, Goodmayes.
COOK, SAUNDERSON SAUNDER	Wynnstay, Meadow Road, Loughton.
COWLEY, HERBERT REGINALD	24, High Street, Southend-on-Sea.
CROUCH, GEOFFREY THOMAS	Bruton Lodge, Castle Avenue, Hale End, Chingford, E.4.
DARTNALL, ERNEST VICTOR	Forest House, High Stone, Leytonstone.
DARTNALL, JAMES AMBROSE.. ..	8, Colworth Road, Leytonstone, E.11.

DAVIES, EDWARD OWEN	Dudbrook, Romford Road, Forest Gate, E.
DAVIES, WILLIAM GWYNNE BACHELOR	Anglesea House, Berners Street, Ipswich.
DAY, JOSEPH REYNOLDS	Thorpe Coombe, Forest Road, Waltham- stow, E.
DEWHIRST, CHARLES LESLIE ..	46, Park Road, Chelmsford.
DURANT, FREDERICK HENRY ..	"Maisonette," Martello Road, Walton- on-Naze.
ELWELL, ERIC REGINALD	Redlands, Bushwood, Leytonstone, E.11
ENGLISH, HENRY CECIL	Oaklands, Grove Hill, Woodford.
FIELD, VICTOR	4, College Road, Little Thurrock, Grays.
FIFE, JAMES DONALD	3, Ailsa Road, Westcliff-on-Sea.
FIFIELD, CECIL STANLEY WILLIAM	Elmhurst, Forest View, Chingford.
FINCHAM, EDWARD, CAPT., M.C., A.R.I.B.A.	Mark's Tey, Colchester.
GIBSON, REGINALD JOHN CAMP- BELL	The Bays, Fryerning, Ingatestone.
GINGELL, JOHN TAYLOR	Warish Hall, Takeley.
GLASSE, ALFRED	Westcot, Ollards Grove, Loughton.
GREGORY, CHARLES HENRY ..	4, Fillebrook Road, Leytonstone, E.11.
GRIMWADE, HENRY	Colchester.
GURNER, VICTOR THORNTON ..	Le Chalet, Hill Road, Prittlewell, Southend-on-Sea.
HALL, THOMAS RAINBIRD ..	3, Melrose Terrace, Breamore Road, Seven Kings.
HALLIDAY, GEORGE ARTHUR ..	4, Goodmayes Avenue, Goodmayes.
HALLS, ARTHUR HAROLD ..	30, Swiss Avenue, Chelmsford.
HEWITT, ALBERT TENYSON MORLEY	20, Beverley Road, Colchester.
HILLIARD, HUGH NEVILLE ..	Chelmsford.
HIRST, BYROM	6, Dunedin Road, Ilford.
HOLFORD, SHELLEY	Braeside, Weald Road, Brentwood.
HOLT, EDWARD	Clifden, Southborough Drive, Westcliff- on-Sea.
INMAN, WILLIAM CHARLES ..	Wychfield, Suttons Lane, Hornchurch.
IRELAND, ALAN	3, Clarence Road, Manor Park, E.12.
JENNINGS, WILLIAM ALFRED ..	7, Romford Road, Stratford, E.
KEMSLEY, WILLIAM HUGH ..	Woodford Green.
KEY, THOMAS GARBUTT	Glen Caladh, Upminster.
KEY, WILLIAM DONALD, A.R.I.B.A.	Cardington, Mayfair Gardens, Up- minster.
LEIGH, VINCENT STANLEY ..	Palmeira House, Palmeira Gardens, Westcliff-on-Sea.
LILLEY, JOHN LESLIE	Stebonheath, First Avenue, Westcliff- on-Sea.
LISTER, ERNEST EDWARD ..	28, Wellesley Road, Ilford.

LIVING, CHARLES, JUN.	75, The Grove, Stratford, E.
LLOYD, SYDNEY HAMILTON	19A, The Pavement, Seven Kings.
LOCK, CHARLES	67, Duke Street, Chelmsford.
LONE, R. WILCOX, A.R.I.B.A.	12, Fuller's Avenue, Woodford Green.
LUTON, ALBERT GORDON	14, Forest Lane, Stratford, E.
LYSTER, FRANK OLIVER	Rainsford House, Chelmsford.
MAYHEW, WILLIAM JOSEPH GEORGE	197, Kingston Road, Ilford.
MORLEY, EDWIN LAURANCE	47, Upper Walthamstow Road, E.17.
MULLETT, HENRY THOMAS	36, St. Alban's Crescent, Woodford.
NORTHCOTT, FRANCIS FREDERICK	Architectural Dept., Borough Sur- veyor's Office, Southend-on-Sea.
PENNY, REGINALD THOMAS	Lynton Cottage, Wanstead.
PHILLIPS, FRANCIS JOHN	Albury, Queen's Road, Springfield, Chelmsford.
PITTAM, EDWARD CHARLES	Tendring, Empress Avenue, Woodford Green.
PLUMSTEAD, HENRY WILLIAM LEWIS	126, The Avenue, Higham's Park, N.E.
POINTING, HERBERT JOHN	42, Henley Road, Ilford.
PORTER, EDWARD LETTINGTON	High View Avenue, Grays.
RAYDEN, JOHN MARKETT	37, Park Avenue, Chelmsford.
RAYNER, HENRY JOSEPH	137, Lathom Road, East Ham, E.6.
READ, JOHN	Mountain Ash, Hornchurch.
REEVE, HENRY GEORGE	c/o T. Reeve, The Paddock, Little Stam- bridge, Rochford.
ROGERS, EDGAR ARTHUR, CAPT.	Chota, Mahal, Southbourne Grove, Westcliff-on-Sea.
ROGERS, JOHN RUSSELL	6, High Street, Maldon.
ROOME, FRANK MORRIS	27, Deyncourt Gardens, Upminster.
SCANLAN, WILLIAM HENRY	42, Henley Road, Ilford.
SEATON, THOMAS HARDMAN	16, Reed Pond Walk, Gidea Park.
SHARPLESS, ARTHUR	35, Chester Road, Wanstead, E.11.
SIMKIN, ROWLAND IVE	63, North Hill, Colchester.
SMITH, PERCIVAL	Valley Farm, Coddensham, near Ipswich.
SMITH, VICTOR CHARLES COMPTON	Malford Lodge, Malford Grove, Snares- brook, E.18.
SORRELL, GODFREY ALFRED VICTOR	19, Boston Avenue, Southend-on-Sea.
SORRELL, HAROLD VALENTINE	38, Clarence Street, Southend-on-Sea.
STALLARD, HAROLD ORLANDO	Estate Office, Audley End, Saffron Walden.
STENHOLM, ADOLPH HENNING	15, Woodlands Road, Ilford.
STICKLAND, ALBERT EDWARD	Romford R.D.C., 16A, South Street, Romford.
STRUTT, JOHN JAMES	Whitelands, Witham.
TEBBIT, CHARLES LEONARD	Braintris, Hatfield Broad Oak, Harlow.
TEMPLE, ALFRED	41, High Street, Southend-on-Sea.

THATCHER, IVAN JAMES	Resident Engineer's Office, Tilbury Docks.
THOMAS, FREDERICK CHARLES ..	Stanford, Churchfields, Woodford.
TITTERTON, SYDNEY GEORGE PENN	Strand Estate Office, Southchurch Road, Southend-on-Sea.
TROTTER, GERARD	Messrs. Swarder, Knight and Trotter Epping.
VINT, JAMES HENRY WHITE	111, Valkyrie Road, Westcliff-on-Sea.
WADDINGTON, WILLIAM	55, Nelson Road, Highams Park, N.E.
WARD, ARMAND DOUGLAS	Normandy, Grange Avenue, Woodford Green.
WELCH, CECIL JOSEPH MARSH ..	The Folly, Dunmow.
WELLS, LESLIE STUART DEAN	96A, High Road, Leyton.
WILKES, JOHN FISKE, M.A. (<i>Cantab.</i>)	Elmdon Bury, Saffron Walden.
WILSHERE, REGINALD SHARMAN	47, London Road, Chelmsford.
WORLEY, FREDERICK HORACE ..	Parr's Bank Buildings, George Lane Woodford.
WRIGHT, GEORGE THOMAS	Stacey House, Crouch Street, Colchester.
YOUNG, DAVID FERNEE	East Street, Barking.

ASSOCIATE.

SMITH, DOUGLAS BEVINGTON ..	73, High Street, Chelmsford.
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PROBATIONERS :

FORD, ARNOLD SPENCER	Redlands, Oak Hill, Woodford Green.
FRESSON, KENNETH EDWARD ..	Whiteways, Wickford.
GANN, THOMAS LEIGHTON ..	Marrawah, St. George's Avenue, Dovercourt Bay.
LESTER, REGINALD MOUNT-STEPHENS	The Broadway, Thorpe Bay.

STUDENTS :

BERNARD, MOROGH WYNDHAM PERCY	Blunts Hall, Witham.
BROOKES, GEORGE CHARLES RICHARD	43, Tyas Road, Canning Town, E.16.
CLAPP, SAMUEL JOHN	Hillrise, Roebuck Lane, Buckhurst Hill.
DOYLE, FRANCIS FREDERICK JAMES HODGES	97, Queens Road, Plaistow.
HUGHES, REGINALD GEORGE ..	60, Cotswold Road, Westcliff-on-Sea.
NOTT, ALAN FRANK	Wickham St. Paul's, Halstead.
PIPE, ALBERT WILLIAM	Thorpe, Eagle Lane, Snaresbrook.
RANDALL, VICTOR HORACE ..	32, Selborne Road, Ilford.
WHITE, ROY LESLIE	33, Victoria Avenue, Southend-on-Sea.

GLOUCESTERSHIRE.

(Gloucester, Somerset, and North Wilts Branch.)

FELLOWS :

BERNARD, CHARLES ALBERT ..	26, Orchard Street, Bristol.
*BODY, ARTHUR, A.R.I.B.A.	48, Corn Street, Bristol.
BRUTON, HENRY TEW	Albion Chambers, King Street, Gloucester.
CRUMP, EDWARD HAROLD	Parklands, Tyndall's Park Road, Bristol.
DAVIDSON, WILLIAM JAMES ..	Longleat, Queen's Road, Cheltenham.
FROUD, MAYNARD	1, St. Stephen's Chambers, Baldwin Street, Bristol.
GILLER, GEORGE SAMUEL, M.B.E. . .	County Building, College Court, Gloucester.
GOODBODY, FREDERICK ALLEN	
STURGE	11, Orchard Street, Bristol.
GREGORY, CHARLES WILLIAM ..	23, Clare Street, Bristol.
*HARLE, JOHN JOSEPH	Tortworth Estate Office, Falfield.
HOWES, FRANCIS TIPPETT	White House, Hucclecote, Gloucester.
KINGSFORD, H. BRUCE	25, St. Aldate Street, Gloucester.
*KNOWLES, HENRY	Egerton House, The Spa, Gloucester.
MOORE, HAROLD ELLIS	39, Denmark Road, Gloucester.
PETER, FRANCIS	Lealands, Wotton, Gloucester.
PETTER, ALBERT EDWARD	1, Upper Belgrave Road, Clifton.
*STURGE, THEODORE	11, Orchard Street, Bristol.
TAYLOR, WILLIAM JOHN PALMER..	25, Clare Street, Bristol.
VILLAR, JAMES	2, Essex Place, Cheltenham.
*WHEELER, JOHN HENRY WEST ..	Inland Revenue, 25, Great George Street, Park Street, Bristol.
WILLIAMS, ARTHUR CODRINGTON	Estate Office, Kemble House, Cirencester.

PROFESSIONAL ASSOCIATES :

ABBOTT, CLAUDE, M.C.	Bradley Court, Micheldean.
ASH, FRANCIS EDWARD	56 Cornwall Road, Bishopston, Bristol.
BAKER, HAROLD	Amberley.
BALLINGER, A. E.	Chelsea, 26, Howard Street, Gloucester.
BEDINGTON, ALFRED CHRISTOPHER	14, Brecknock Road, Knowle, Bristol.
BURGE, GILBERT ALBAN	c/o Mr. Eyles of Messrs. Sinnott & Son, 12, Broad Street, Bristol.
CHAMBERS, HAROLD JOHN LAVENDER	Corn Hall Buildings, Cirencester.
COLEMAN, CYRIL FRANK	1, Highbury Villas, Cotham, Bristol.
COLLYER, CHARLES ALEXANDER	
STEWART	Toddington, Winchcombe.
COSSHAM, PHILIP RAYMOND ..	Wellesley House, Cirencester.
DAVIES, FREDERICK WILLIAM ..	High Street, Thornbury.
DAVIES, JOHN RICHARD	Avondale, Tewkesbury.

EDWARDS, GEORGE FRANK ..	Small Holdings and Land Settlement Dept., Shirehall, Gloucester.
ESBESTER, ERNEST HENRY	City Valuer's Office, The Exchange, Bristol.
EVANS, HENRY LODOWICK VINCENT	26, Canynge Square, Clifton, Bristol.
FORBES, ALEXANDER	St. Sidwells, Tuffley Avenue, Gloucester.
GIBAUD, FREDERICK CHARLES ..	7, Redland Park, Redland, Bristol.
GOODENOUGH, KENNETH MAC- KENZIE	11, Russell Road, Redland, Bristol.
HAZEL, JAMES SAUNDERS	25A, Whiteladies Road, Bristol.
HENDERSON, REGINALD ALFRED ..	15, Randall Road, Clifton, Bristol.
HILL, WILLIAM JOHN	Brightside, Rodney Terrace, Chelten- ham.
HOLBROW, HERBERT OLIVER ..	18, Apsley Road, Clifton, Bristol.
HOOPER, ARTHUR HENRY	15, Sefton Park Road, Ashley Down, Bristol.
HOPE, JOHN LEO	c/o Falconer & Baker, Amberley.
HOWSE, EVAN GEORGE	85, Redcliff Street, Bristol.
INGLEBY, ERNEST JAMES, N.D.A.	Hillside, Buckover, Falfield.
LEAN, WILLIAM	Elton Villa, Hucclecote, Gloucester.
MORGAN, WILRFED WYNTER ..	Church End, Slymbridge, nr. Stone house.
OATEN, ALFRED EDWARD	22, Clare Street, Bristol.
PINKHAM, COURTENAY SHORT ..	City Engineer's, Queens Square, Bristol.
POORE, JOHN	Badminton, Gloucester.
POULDEN, GEORGE EDWARD LUTHER	14, Zion Hill, Clifton, Bristol.
PRICE, REGINALD HENRY KING ..	23, Clare Street, Bristol.
PRITCHARD, CEDRIC HOOD ..	Bank Buildings, Colston Avenue, Bristol
RANDALL, ERNEST JOHN JAMES ..	3, Northgate Mansions, Gloucester.
SAISE, WALTER	Ventnor House, Forest Road, Fishponds, Bristol.
SMITH, EWART WALLACE	512, Gloucester Road, Horfield, Bristol.
THOMAS, PERCIVAL HARTLAND ..	10, St. John Street, Bristol.
WALFORD, SIDNEY THOMAS ..	c/o Young and Gilling, Promenade, Cheltenham.
WALKER, WILFRID ARTHUR	10, Cotham Gardens, Redlands, Bristol.
WATKINS, ROBERT	149, Luckwell Road, Bedminster, Bristol.
WATTS, WILLIAM HARRY	18, Brookfield Avenue, Bishopston, Bristol.
YATES, CHARLES WILLIAM ..	Parklands, Tyndalls Park Road, Bristol.

PROBATIONERS :

CLARKE, EDWARD JEFFREY ..	19, Somerville Road, St. Andrew's Park, Bristol.
STURGE, PAUL DUDLEY	7, Percival Road, Clifton, Bristol.

STUDENTS :

GIBBS, JOHN WYNDHAM	28, Blenheim Road, Redland, Bristol.
HARRIS, JOHN HUGH	"Salcombe," Anglesey Road, Alverstoke.
HOWES, CHARLES EDWARD BASIL	The Green, Shirehampton, Bristol.
KNOWLTON, JOHN ARCHIBALD ..	Vine Cottage, Saltford, Bristol.
SOLOMON, JOHN FREDERICK	18, Nottingham Road, Bishopston,
COTHER	Bristol.
WOODWARD, ROBERT WILLIAM	
NOBLE	Roydon, Marine Parade, Dovercourt.
YOUNG, GEORGE HENRY.	Mangotsfield, nr. Bristol.

HAMPSHIRE AND ISLE OF WIGHT.

(Hampshire, Dorset, and South Wilts Branch.)

FELLOWS :

ABBOTT, ALEXANDER HENRY ..	351, Wimborne Road, Winton, Bournemouth.
APPLEBY, JOHN HENRY JAMES ..	8, High Street, Fareham.
AUSTIN, RICHARD	Bishop's Waltham.
BAKER, HENRY GEORGE,	
Lic.R.I.B.A.	21, Grosvenor Road, Aldershot.
BALL, CHARLES WILLIAM	Whittington Chambers, King's Road, Southsea.
BIRD, JAMES BINFIELD	Kingswood, Sandown, Isle of Wight.
BLAKE, FREDERICK	46, Commercial Road, Portsmouth.
BLAKE, REGINALD LAPHORPE ..	46, Commercial Road, Portsmouth.
*BLIZARD, JOHN HENRY, A.M.I.C.E.	Lansdowne House, Castle Lane, Southampton.
BROAD, FREDERIC	2, Oxford Road, Bournemouth.
BRYANT, S. J.	8, Cross Street, Basingstoke.
CHEVERTON, ALFRED DOUGLAS ..	26A, Portsmouth Road, Woolston, Southampton.
COCKS, SAMUEL ROGER	5, St. Thomas's Street, Ryde.
COLES, SAMUEL HOOD COWPER	Lower Bisterne, Ringwood.
CONWAY, EDWARD JOHN	120, Upper Shirley Avenue, Southampton.
CURTIS, CHARLES EDWARD	Woodlands, Brockenhurst.
DOCKERILL, C. W.	2, Oxford Road, Bournemouth.
DOLAMORE, FREDERICK PERCY ..	Borough Surveyor, Municipal Offices, Bournemouth.
DROVER, WILLIAM HENRY	36, Thornbury Avenue, Southampton.
DYER, HENRY JOHN	2, Victoria Crescent, Southsea.
ELLEN, FREDERICK CHARLES ..	The Auction Mart, Andover.

*FOX, ERNEST	44 to 50, Old Christchurch Road. Bournemouth.
FOX, WILLIAM.. .. .	44 to 50, Old Christchurch Road. Bournemouth.
GIBBON, WM. JACOMB, A.R.I.B.A. ..	Wootton Heath, New Milton.
GOLDSMITH, DOUGLAS FLEET ..	Lavant Street, Petersfield.
GOSLING, JOHN HENRY CHARLES	Town Hall, Portsmouth.
GREEN, ARTHUR EDWARD ..	57, London Road, Southampton.
HALL, ERNEST.. .. .	56, Commercial Road, Portsmouth.
HARMER, ERNEST FREDERICK ..	20, Havelock Road, Southampton.
HARTLEY, TOM PERCY	Well Manor, Long Sutton, Winchfield.
HAWKER, HARRY EDWIN	St. Peter's Chambers, Bournemouth.
HERBERT, ALLAN	The Market Place, Andover.
*HILL, WILLIAM BURROUGH ..	93, Above Bar, Southampton.
HINXMAN, ROLAND	Kitnocks, St. Thomas Street, Winchester.
JENKINS, RICHARD JAMES	Town Hall, Portsmouth.
JUKES, LOUIS WILLIAM.. ..	12, Landguard Road, Southampton.
KEEP, WILLIAM HENRY	W.D. Land Agent's Office, Milldam Barracks, Portsea.
KENT, GEORGE EDWARD.. ..	Normanhurst, Cavendish Road, Southsea.
KNIGHT, HENRY ST. JOHN ..	"Kaloni," Farnborough Road, Farn- borough.
LAMBERT, GEORGE ARROW	R.E. Office, The Barracks, Winchester.
LANE, ERNEST LACAN	81, Old Christchurch Road, Bournemouth.
LLOYD, DONALD	Messrs. Ellen and Son, Andover.
LYWOOD, EDWIN	16, Weyhill Road, Andover.
MARTIN, ALFRED JOHN	Alton.
*MARVIN, ALBERT EDWARD	The Grove, Carisbrooke, Isle of Wight.
MASTERS, WILLIAM HENRY	Glencairn, Arthur Road, Southampton.
NEWTON, THOMAS EDWIN	Bank Chambers, Winchester.
OAKLEY, EDWARD BENJAMIN ..	Hinton Chambers, Bournemouth.
PATON, DAVID LLEWELLYN	Westminster House, St. Peter's Road. Bournemouth.
READ, KENMUIR HARRY	A. E. C. School of Building, Educa- tional Training Centre, Thorne Hill Aldershot.
*ROBEY, ROBERT	Oaklands, East Tytherley, Romsey.
SANDERS, INGALTON	Midland Bank Chambers, 165, High Street, Southampton.
SAWYER, JOHN ASHTON.. ..	Shortacre, Park Road, Winchester.
*SIMMONS, CHARLES FRANKLIN ..	Basingstoke.
SIMMONS, SIR W. ANKER, K.B.E.	Basingstoke.
*SMITH, FREDERICK JOHN	21, Portland Street, Southampton.
SMITH, GEORGE ALFRED.. ..	78, Parchment Street, Winchester.
STALLARD, ALFRED EDWIN	West Street, Havant.
STOPHER, THOMAS	Winchester.
THIRLAWAY, ROBERT	Jesmond Cottage, Winchester Road Southampton.

THURGOOD, ALBERT EDWARD ..	Valuer's Office, 8, Southsea Terrace, Portsmouth.
TURNER, JABEZ TENNYSON.. ..	Works Department, H.M. Dockyard, Portsmouth.
VERNON-INKPEN, GEORGE CHARLES	40, Commercial Road, Portsmouth.
WAGSTAFFE, THOMAS ROGERS ..	22, New Park Road, Southbourne.
WALMISLEY, JOSEPH WILLIAM, F.R.I.B.A.	7, King's Terrace, Southsea.
WALTER, THOMAS JAMES	Gervis Place, Bournemouth.
WARMINGTON, HERBERT ANDREW CROMARTIE	Grange Estate Office, Alresford.
WARNER, HENRY	Farringdon, Alton.
WAY, HENRY JAMES	109, Lower St. James's Street, Newport, Isle of Wight.
WAY, LIONEL HUGH	12, Rockstone Place, Southampton.
WESTBURY, GEORGE HENRY ..	The Knoll, Andover.
WETHERALL, HARRY LANCASTER..	Bracklyn, Winchfield.
WHITE, SAMUEL CYRIL	Westminster House, St. Peter's Road, Bournemouth.
WOOLLEY, JOHN TURTON	Spursholt, Romsey.
WOOLLEY, REGINALD GEORGE ..	Headquarters, High Street, Portsmouth.
WYATT, ARCHIBALD	East Lodge, Fareham.

PROFESSIONAL ASSOCIATES :

ARNOLD, ALAN.. . . .	Westgate Chambers, Winchester.
BALCOMB, CECIL AUGUSTUS .. .	278, Christchurch Road, Bournemouth.
BEACH, ARCHIBALD WILLIAM HICKS, MAJOR	Oakley Manor, Basingstoke.
BRIDGER, ARTHUR EDWARD .. .	Greywell, Winchfield.
BROWN, WILLIAM ALFRED	The Willows, Gunville, Carisbrooke, I. of W.
BRUCE, ALEXANDER DAVID	Elvetham Estate Office, Winchfield.
BULSTRODE, CHARLES LEONARD	13, Stour Road, Christchurch.
BURNETT, ANDREW STUART.. . .	2, High Street, Southampton.
BURRELL, FRANK	"Moana," New Park Road, West Southbourne, Bournemouth.
BURT, DOUGLAS ALLAN	18, Cross Lane, Andover.
CHAMBERLAIN, HARRY SAMUEL ..	91, St. Andrew's Road, Southsea.
COGSWELL, DOUGLAS RUPERT .. .	122, Gladys Avenue, North End, Portsmouth.
CULME-SEYMOUR, ARTHUR GRAN- VILLE	Glenville, Bitterne.
DALE, EDWARD SYDNEY WILSON	c/o Messrs. Simmons & Co., Basingstoke.
DANCASTER, ARTHUR	14, Tregonwell Road, Bournemouth.
DOCKRILL, ARTHUR DAVID	Broadlands, Newport, Isle of Wight.
DONGER, WILLIAM JAMES	Westgate Chambers, Winchester.
DOUGLAS, BERNARD MOXON .. .	Fairway, Crofton Cliffs, Lee-on-Solent.

DOWSE, ARCHIBALD THOMAS ..	14, Swanmore Road, Bishops Waltham.
EGGAR, JOHN GRAHAM	Cedar Cottage, Bentley.
EGREMONT, JOHN	Kingston House, Northlands Road Southampton.
FIELD, LEONARD MARTIN	40, High Street, Gosport.
FISHER, THOMAS ROTELY ..	197, Old Christchurch Road, Bourne mouth.
GASK, JOHN HAROLD, A.R.I.B.A. . .	Borough Engineer's Dept., Municipa Buildings, Bournemouth.
GIBBINGS, THOMAS STANLEY ..	Trinity Lodge, Fareham.
GRAY, SYDNEY JOHN	Old Street House, Petersfield.
GUDGEON, GEORGE HAROLD ..	Moorside, North Walls, Winchester.
HAGGER, ALBERT JAMES	25, Gerald Road, Bournemouth.
HALL, PATRICK MARTIN	Brook House, Warsash.
HANKINSON, FRANCIS HENRY ..	Richmond Chambers, Bournemouth.
HERRING, ERNEST LEONARD ..	c/o Messrs. Rumsey and Rumsey, 116 Poole Road, Bournemouth West.
HILL, STANLEY	Bonham Cottage, St. James Street Winchester.
HILLARY, NORMAN	The Peak, Basingstoke.
HILLMAN, ALFRED KAMMEYER ..	11, Portland Street, Southampton.
HOMEWOOD, HAROLD ROBERT ..	District Offices, Morley Road, Bourne mouth.
JAMBACH, HENRY CHARLES ..	6, Southern Road, West Southbourne Hants.
JENKINS, RALPH EMERSON ..	Foydean, Cecil Avenue, Bournemouth.
JENNINGS, FREDERICK GEORGE ..	22, Wote Street, Basingstoke.
JOLLIFFE, REGINALD	6, Shooter's Hill, Cowes, Isle of Wight.
JOY, GILBERT ALAN	29, Gains Road, Southsea.
KENT, PHILIP, JUN.	1, Station Road, Alresford.
LANE, FRANK DONOVAN	2, Church Street, Christchurch.
Longbottom, Harold	Council Offices, Petersfield.
MILLAR, PETER	Borough Engineer's Office, Southampton.
MORTON, WILLIAM PERCY	61, Hunter Road, Southsea.
MURRAY, PENRY JOHN	Headquarters, High Street, Portsmouth.
MURTOUGH, JOSEPH	c/o Messrs. Young & White, North End Portsmouth.
NEWMAN, CLAUDE EDWIN SANDYS	The Bungalow, Clatterford Road, Caris brooke, Isle of Wight.
RALPH, SYDNEY MAURICE ..	110, Shadwell Road, North End, Ports mouth.
RIDDETT, MAURICE CHARLES ..	Town Hall Chambers, Ryde, Isle of Wight.
ROGERS, ERNEST ARTHUR ..	Lynwood, Havant.
RUMSBY, WALTER SAMUEL ..	Avenue Chambers, The Square, Bourne mouth.
SALMON, DOUGLAS JOHN	c/o C. Lovegrove, 58 London Road, Portsmouth.
SHEATH, ALBERT GEORGE	Richmond Park Avenue, Bournemouth.

SIMPSON, CHRISTOPHER	Housing Scheme, Airlie Road, Winchester.
SMITH, ERNEST LEONARD	East Mount, Sandown.
SMITH, GEOFFREY	78, Parchment Street, Winchester.
SUTTON, CECIL N. STAFFORD, CAPT., M.B.E.	Estate Office, Brockenhurst.
TOMKINS, SAMUEL EDWARD	Kennington, Mill Hill, Cowes, Isle of Wight.
TURNER, DRYSDALE	18, Waterloo Road, Southampton.
URNS, LESLIE WALTER	94, Fairfield Road, Winchester.
WALLER, BERTRAM HANNEN	17, Above Bar, Southampton.
WARNER, BLAIR MARTIN	Heatherley, Shedfield, Fareham.
WEBB, REGINALD ACHESON	6, Carbery Avenue, E. Southbourne, Bournemouth.
WELLER, CYRIL GORDON RAMSAY	10, Cranbury Terrace, Southampton.
WELLER, WILLIAM ARTHUR	25, St. Thomas Street, Winchester.
WHALLEY, JOHN RICHARD BRIMALL	The Mart, Fratton Bridge, Portsmouth.
WHEELER, LEONARD CHARLES	Woodville, Orchard Road, Havant.
WHITE, ARTHUR VIVIAN	9A, Cranbury Place, Southampton.
YARNALL, CHARLES WILLIAM	4, Fortescue Road, Bournemouth.

ASSOCIATE :

DOWNIE, ALEX. FRANCIS MACKENZIE | Alton.

PROBATIONERS :

BREWIN, CECIL JOHN	Knox Road, Havant.
HARRIS, JAMES COLE	Easton, near Winchester.
HELMORE, LEONARD MERVYN	Avenue Chambers, Lynchford Road, South Farnborough.

STUDENTS :

COWELL, ARTHUR EDMUND	Eversley, Queen's Road, Ryde, I. of W.
DOWLING, FREDERICK CYRIL	61, Porchester Road, Bournemouth.
DYER, HARRY WILLIAM JAMES	76, Milton Road, Portsmouth.
FOX, EARNEST STODDART	Woodbridge, The Avenue, Branksome Park, Bournemouth.
JOLLIFFE, HENRY WILFRED	Mill Hill Road, Cowes, Isle of Wight.
RITCHIE, WALTER HENRY DENISON	57, Commercial Road, Portsmouth.
SIMONS, HORACE EDWARD WILLIAM	73, Kingsgate Street, Winchester.
SMITH, JOHN GODWIN TOMLIN	Wycheote, Somerville Road, Bournemouth W.
STEDMAN, DOUGLAS WILSON	Oswald House, 110, Worting Road, Basingstoke.

HEREFORDSHIRE.

(Salop, Hereford, and Mid-Wales Branch.)

FELLOWS :

HUNT, GEORGE WHITAKER	Estate Office, Holme Lacy.
MILLYARD, JOHN WILLIAM, CAPT.	Estate Office, Saltmarshe Castle, Brom- yard.
*PARKER, JOHN, A.M.I.C.E.	Mansion House, Hereford.
STOOKE, JOHN EDWIN HELLYAR	2, Palace Yard, Hereford.
WATNEY, WALTER DANIEL	3, Offa Street, Hereford
WEETMAN, WILLIAM CHARLES CUMMING	Lauriston House, St. Ethelbert Street, Hereford.

PROFESSIONAL ASSOCIATES :

BURNETT, DONALD	91, Ryelands Street, Hereford.
CHALLIS, FRANK GORDON	c/o District Valuer, 3, Offa Street, Here- ford.
DAVIES, HARRY TUDOR	Shirehall, Hereford.
FOULDS, JOSEPH	Valuation Department, 3, Offa Street, Hereford.
GURNEY, RONALD GEORGE	Ledbury R.D.C., Ledbury.
HATON, JOHN DOUGLAS	10, King Street, Hereford.
MILLYARD, GEORGE	Littlebridge, Bromyard.
TOMLIN, WILLIAM JUNR.	Castle Poole House, Hereford.

HERTFORDSHIRE.

(Bedford, Essex, Hertford and Middlesex Branch.)

FELLOWS :

*BROWN, FRANK JOHN	Tring.
CHAMBERS, SIR THEODORE GER- VASE, K.B.E.	Welwyn Garden City.
CHILD, FRED	1, Station Road, New Barnet.
COCKS, JOHN FREDERICK	Hertford.
COLE, CHARLES PHILIPS.. ..	Four Corners, Tring.
COUCHMAN, HENRY BOTELER ..	Moor Park Estate Office, Rickmansworth.
CROZIER, HARRY WILLIAM ..	Netherlow, London Road, Hertford.
FLINT, WILLIAM FIELDER	Eastnor, Cassiobury Park Avenue, Watford.

GENCE, WILLIAM POPE, JUN. ..	c/o Messrs. Rumball and Edwards, St. Albans.
GOODING, WILLIAM ALFRED ..	Arndilly, York Road, St. Albans.
GRACE, EDWARD NATHANIEL ..	Kendalls Building Estate Office, Rad- lett.
HASLUCK, LANCELOT GERALD ..	Green Hill Park, New Barnet.
HENNELL, CHARLES MURRAY ..	25, Brooks Wood Lane, Welwyn Garden City, Herts.
LAWRENCE, JOHN, N.D.A.	Messrs. Crawter, Cheshunt.
LEES, FRANK ARTHUR	71, Mildred Avenue, Watford.
LOCK, CECIL WILLIAM BEST.. ..	9, Station Road, Watford.
MACDONALD, ARTHUR, M.A. (<i>Cantab.</i>)	Tring.
MITCHELL, SIDNEY	District Valuer's Office, 29-31, Hatfield Road, St. Albans.
MORRISON, IVOR CHARLES	Otterleigh, St. Albans.
SIMMONS, EDGAR JOHN.. .. .	Station Place, Letchworth.
SLY, JOSEPH TOWNSON	Estate Agency Offices, Rickmansworth.
THURNALL, JOHN EDWARD	Royston.
VAIZEY, JOHN GEORGE	Bishop's Stortford.
WEALL, JOHN GRAHAM	38, High Street, Watford.
YORK, HENRY	East Barnet Valley Urban District Coun- cil, Station Road, New Barnet.

PROFESSIONAL ASSOCIATES :

BARNARD, DENNIS CHRISTOPHER..	Milton Lodge, Harpenden.
BEARMAN, HARRY VICTOR	Belvedere, Woodville Road, New Barnet.
BEAVEN, HOWARD CLIFFORD	Willoughby, Bulwer Road, New Barnet.
BRETTELL, CHARLES BANDON	Little Hill, Bonmore, Herts.
BROWN, CHARLES GEORGE	Launceston Lodge, Chorley Wood West.
BROWN, GEORGE MACDONALD	Okeford, Tring.
BROWN, WILLIAM EDWARD	Bude, Hyde Road, Watford.
CHAMBERLAIN, THOMAS CHANDLESS	The Limes, Takeley.
CHAPMAN, VAUGHAN GODFREY ST. JOHN	1, Laurel Road, Hatfield Road, St. Albans, Herts.
CHERRY, ALBERT EDWIN	97, Church Lane, Mill End, Rickmans- worth.
COLLINS, PHILIP HOWARD	Ellerslie, Aldenham Road, Bushey, Herts.
COOMBE, GEORGE ARNOLD	200, High Street, Barnet.
COX, VICTOR JENNINGS	Alfriston, Hadley Road, New Barnet.
DAVIS, ARTHUR JAMES.. .. .	The Cottage, Croft Lane, Letchworth.
DAWES, ARTHUR HENRY	Addiefield, Western Road, Tring.
DAY, STANLEY LEWIS	Shandon, Furze Hill, Boreham Wood.
DUNCH, CHARLES ROBINSON	Manor Lodge, Totteridge, N.20.
DUCKWORTH, WILLIAM HENRY ..	Surveyor's Dept., Council Offices, Wat- ford.

ELLIS, WILFRID SPENCER	c/o Messrs. Rumball & Edwards, St. Albans.
FAULKNER, J. DENNIS	24, High Street, Baldock.
FAYERS, HARRY	26, Cassio Road, Watford.
GIFFIN, CHARLES WILLIAMS	South View, Letchworth.
GOTELEE, GUY STANLEY	2 Chapel Street, Berkhamsted.
JOHNSON, FREDERICK JOHN	1, Fairfax Road, Hertford.
KINDELL, FRANCIS PERCY	Council Offices, The Priory, Frier Barnet.
NEWMAN, WILLIAM WALTER, A.M.I.C.E.	Council Offices, High Street, Watford.
PATEY, GEORGE HEAD	3 and 5, Station Road, Watford.
PAYNE, RALPH RICHARD BEDFORD	Chesham House, Hitchin.
PIKESLEY, ALFRED	1, Sandfield Road, St. Albans
RAYMOND, JAMES OWEN	55, Uxbridge Road, Rickmansworth.
ROBERTS, EDWARD LAMPLOUGH ..	23, Watling Street, Radlett, Herts.
ROBERTS, WILLIAM HUGHES	14, Platts Avenue, Watford.
ROSS, JOHN	7, Derby Road, Watford
ROWLEY, WILLIAM TAYLOR	Royston.
RUSHWORTH, HAROLD MONTAGUE	Sheering Mill House, Sawbridgeworth.
SALWEY, ARTHUR	Tudor House, Alma Road, St. Albans
SATCHELL, JOHN GERARD DOUG- LAS	Wayside, Letchworth.
SMITH, EDMUND GEORGE	c/o Messrs. Harland & Sons, Barnet
TAYLOR, GEORGE SCARBOROUGH ..	Buntingford.
THAIN, ARTHUR ROBERT	Melbourn Villa, Morton Street, Royston
THURGOOD, CYRIL JAMES	Much Hadham.
TOOVEY, JAMES ROWLAND	73, Gladstone Road, Watford.
TRACY, BERNARD DAVID, A.R.I.B.A.	Limoilou, Croxley Green, S.O.
TRIGG, ROBERT	15, North Street, Bishop's Stortford
VINCE, FREDERIC HAROLD	Kesterton, Alexandra Road, Watford
WADSWORTH, JAMES MOFFATT	7, Crabtree Lane, Harpenden.
WIGGINTON, FRANCIS ARTHUR	7, Old Cross, Hertford.
WRIGHT, JAMES ALEXANDER	Melbury, Grange Road, Bushey.
YOUNG, WILLIAM	4, St. Peter's Street, St. Albans.

PROBATIONERS :

WIGGINTON, THOMAS A.	2, St. Andrew's Street, Hertford.
YOUNG, WILLIAM RAYMUND	4, St. Peter's Street, St. Albans.

STUDENTS :

DAVIES, FRANCIS KARBERRY	Bond's Cay, Radlett.
NOTT, THOMAS JEFFERY	Maynes, St. Albans.
RAWSON, FRANK	1, West View Road, Hemel Hempstead

HUNTINGDONSHIRE.

(Cambridge, Huntingdon, Norfolk, and Suffolk Branch.)

FELLOWS :

GAIRDNER, EDWARD JAMES	..	Albany House, Avenue Road, St. Neots.
GRIPPER, JOSEPH EDWARD	..	Manor House Farm, Brampton, Huntingdon.
*THEAKSTON, WILLIAM PEASE,		
M.B.E.		Huntingdon.

PROFESSIONAL ASSOCIATE :

KILFORD, WILLIAM GEORGE	..	Hunts County Council, 68, High Street, Huntingdon.
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STUDENTS :

JOHNSTON, JAMES CARRUTHERS	..	13, Ingram Street, Huntingdon.
THEAKSTON, ROBERT WILLIAM	..	Wensleydale, Huntingdon.

KENT.

(Kent Branch.)

FELLOWS :

AMOS, FRANK	..	3, The Parade, Canterbury.
ASHENDEN, HAROLD CAMPBELL	..	Ventnor House, London Road, Canterbury.
ASHENDEN, LEONARD THOMAS	..	Westgate, Canterbury.
BARTON, HARRY HOWELL	..	69, Sandgate Road, Folkestone.
BLACKBOURN, HENRY	..	8, Claremont Road, Tunbridge Wells.
BOWLES, WILLIAM	..	The Cottage, Elwick Road, Ashford, Kent.
BRACKETT, ARTHUR WILLIAM	..	27, High Street, Tunbridge Wells.
BRACKETT, FREDERICK HENRY	..	27, High Street, Tunbridge Wells.
BRADLEY, BENJAMIN	..	Roch House, Woodbury Park Road, Tunbridge Wells.
BROAD, GORDON LESLIE, CAPT., O.B.E., M.C., A.R.I.B.A.	..	Cedar Cottage, Stangrove Road, Edenbridge.
BROOKER, FREDERICK GEORGE	..	The Corner Cottage, Sevenoaks.
BURROWS, ALFRED JOHN	..	41, Bank Street, Ashford.
BURTENSHAW, ARTHUR HOWARD	..	"Arley," Tenterden.
CHAMPION, BYRAN ARTHUR	..	Spital Street, Dartford.
CHAMPION, PHILIP	..	Neville Lodge, West Malling.
CHATTELL, FRANCIS LORiot	..	Lower Camden, Chislehurst.

COBB, HENRY FREDERICK, C.B.E.	Cathedral Chambers, Rochester.
*COBB, HERBERT MANSFIELD, C.B.E.	Cathedral Chambers, Rochester.
COBB, ROBERT	"Watlynge," near Rochester.
COLES, JAMES HATCH	7, New Road, Chatham.
COOPER, GEORGE AUGUSTUS	7 and 9, Tonbridge Road, Maidstone.
COWELL, NORMAN, M.C.	District Valuer's Office, Bromley House, High Street, Bromley.
COWPER, WILLIAM SHAPLAND	81, High Street, Sittingbourne.
COX, WALTER THEODORE	Holmbury, Bower Mount Road, Maid- stone.
CRONK, FRANK	Sevenoaks.
CUTLACK, WILLIAM AUSTIN	11, Palace Grove, Bromley.
*DANN, HENRY	Dartford.
DANN, HENRY, JUN.	3, Spital Street, Dartford.
*DAY, WILLIAM	High Street, Maidstone.
DINWIDDY, THOMAS, F.R.I.B.A.	St. Margaret's-at-Cliffe, Dover.
EGERTON, WILLIAM	12, Queen's Road, Erith.
ELGAR, CHARLES JOHN	Crockshard, Wingham, near Dover.
EWING, GUY BEAUMONT	Cole Allen, Edenbridge.
FARNHAM, WILLIAM AUGUSTUS	The Council Offices, Sidcup U.D.C., Sidcup.
FELTHAM, ARTHUR WILLIAM	12, St. Michael's Road, Maidstone.
FINN, FRED.	Queen Street, Deal.
FINN-KELCEY, HUBERT FRANCIS	Estate Office, Lyminge, Folkestone.
FREEMAN, DUDLEY SEARLE	Waterlake, Chiddingstone.
FREEMAN, SYDNEY	Tunbridge Wells.
GARROOD, THOMAS WILLIAM M.	Badgers Mount, Knockholt.
GILBERT, F. MYLES	137, Rock Avenue, Gillingham.
GOADBY, FRANCIS HUBERT, A.M.I.C.E.	Works Dept., H.M. Dockyard, Chatham.
GREGORY, ALFRED, COL., O.B.E.	Walden House, Beltinge Rd., Herne Bay.
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*HAYWARD, HENRY	Dover.
HINDS, HENRY	57, Queen Street, Ramsgate.
HOBBS, JOHN	Estate Office, Ashford.
HOBBS, WILLIAM BEDO	The Home Farm, Sneeth.
HOGWOOD, DOUGLAS CLARENCE	6, Queen Street, Ramsgate.
HOMAN, FRANKLIN GEORGE	178, Eastgate, Rochester.
HOMAN, HUBERT FRANKLIN	178, Eastgate, Rochester.
HONEY, ROBERT LLEWELLYN	Town Hall, Chatham.
HONEYBALL, FRED. THOMAS	Deal.
HOOPER, CECIL HENRY	South-Eastern Agricultural College, Wyke.
HOWES, WILLIAM TROTMAN, M.B.E.	21, Holwood Road, Bromley.
HUSSEY, SYDNEY	99, Queen's Road, Ashford.
JACKSON, WILLIAM TRESS	117, High Street, Sittingbourne.
JENNINGS, WILLIAM JOSEPH	4, St. Margaret's Street, Canterbury.
JULL, ROBERT CHARLES	1, Cumberland Gardens, Tunbridge Wells.
KIDWELL, JOHN	St. Margaret's Bank, Rochester.
LAMBERT, EDWIN HANS	Merriecote, Brenchley.
LANGRIDGE, WALTER FREDERICK	Tunbridge Wells.

LATTER, HUGH ROBINSON	The Town Hall, Bromley.
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MANN, JABEZ, A.M.I.C.E.	2, Tubs Hill, Sevenoaks.
MOORE, ARTHUR WILLIAM	61, Malvern Road, Gillingham.
MORTON, WILLIAM DAVID	2, Salisbury Road, Dover.
NEAME, FREDERICK... ..	Macknade, Faversham.
PAGE, STANLEY HATCH, LT. COL., C.M.G.	6, Queen Street, Ramsgate.
PARKINSON, HERBERT	7, New Road, Chatham.
PARRIS, CHARLES JOHN	67, High Street, Tunbridge Wells.
PAYNE, FREDERICK... ..	10, Market Square, Bromley.
PILLEY, HERBERT ANTHONY ROSSER	Milton Villa, Herschell Square, Walmer.
PRALL, HERBERT ALEXANDER ..	150, Eastgate, Rochester, and 22, Lowfield Street, Dartford.
RANDALL, ERNEST SMITH	Elm House, New Road, Chatham.
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BROMLEY, ROBERT CECIL	Homeleigh, Longlands Road, Sidcup.
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PETLEY, GUY	Crixhall Court, Staple, Canterbury.
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STOREY, VERNON LESLIE	c/o Sevenoaks Farmers' Auction Mart, Sevenoaks.
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STRUDWICK, PHILIP.. .. .	14, Croft Villas, Green Lane, New Eltham.
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THOBURN, HUGH FORSYTH	Kent House Estate Office, Kent House, Beckenham.
THOMAS, ALFRED CHRISTOPHER LLEWELLYN	Allen's Cottage, Hunton, nr. Maidstone.
TYSON, GEORGE ALFRED	Park View, Bayham Road, Sevenoaks.
WEEKS, PERCY BERTRAM	Hopwood Gardens, Tunbridge Wells.
WESTBROOK, CHARLES EDWARD ..	Calverley Parade, Tunbridge Wells.
WHITE, HERBERT PRATT.. .. .	Hillbrow, Loose, near Maidstone.
WOOD, FRANK HOUSEDEN.. .. .	17, Queen's Road, Bromley, Kent.
WOODCOCK, WILLIAM	11, St. Hilda Road, Folkestone.

PROBATIONERS :

BUTLER, CYRIL EDMUND	The Elms, Aylesford, near Maidstone.
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JARMAN, ARTHUR ROY	85, Windmill Street, Gravesend.
ROBSON, GEOFFREY BRIAN ..	75, Farnaby Road, Bromley.

STUDENTS :

BALL, ERIC BECKFORD	Fernleigh, Ditton, near Maidstone.
BURGESS, ROBERT COLEMAN ..	The Moat Ash, near Canterbury.
COLYER, CHARLES ERNEST ..	Arborfield, Beckenham Grove, Short lands.
FLETCHER, HARRY NEWTON ..	c/o Messrs. Cronk, Sevenoaks.
HODSOLL, JAMES WILLIAM ..	Farningham.
KNIGHT, DOUGLAS ROY	196, High Street, Herne Bay.
KNIGHT, PERCY JAMES GEOFFREY	8, Wellesley Villas, Ashford.
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SEARLES, CHARLES FRANK ..	36, King Edward Road, Maidstone.
SHIELD, F.	14, Albert Terrace, Blackpool.

LANCASHIRE.

(Lancashire and Cheshire Branch.)

FELLOWS :

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ASHWORTH, JOHN	77, King Street, Manchester.
ATAK, GEORGE ALBERT SEVERNE	8, Hazel Bank, Edgeware Road, Black burn.
BAILEY, ERNEST BATHO	37, Moorfields, Liverpool.
BANCROFT, FREDK. HERBERT ..	78, King Street, Manchester.
BARRETT, THOMAS NORMAN ..	28, Brazennose Street, Manchester.
*BATEY, HENRY SIMPSON	51, South King Street, Manchester.
BEAL, JOSEPH KYLE	c/o District Valuer, National Pro vincial Bank Chambers, James Street Liverpool.
BECKWITH, HENRY LANGTON, COL.	Sandown Park, Wavertree, Liverpool.
BIRCH, WALTER DE HOGHTON ..	Hoghton Estate Office, Walton Hall Preston.
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BREWERTON, FRANK ASQUITH ..	2, Woodlands, Whalley Rd., Manchester.
BRIDGFORD, ERNEST JAMES ..	65, King Street, Manchester.
BRIGGS, ARTHUR	Dearnlea, Langley Road, Prestwick, near Manchester.

BROCKLEBANK, JOHN	58A, Yorkshire Street, Rochdale.
BROWN, FRED	30, Park Drive, Barrow-in-Furness.
*BURY, JOSHUA	8, John Dalton Street, Manchester.
CARTWRIGHT, JOSHUA, M.I.C.E. ..	Albion Place, Bury.
CLARKE, FRANCIS ARCHIBALD ..	Brentwood, Maple Grove, Prestwich. Manchester.
CORBETT, JOHN ROOKE, M.A. (<i>Cantab.</i>)	26, Range Road, Whalley Range, Man- chester.
CRAMER, JAMES	34, John Dalton Street, Manchester.
*CROSS, WILLIAM HASLAM	77, King Street, Manchester.
CROSSLEY, FREDERICK	Estate Office, Gawthorpe Hall, Burnley.
CULE, EDWARD IVOR	6A, The Temple, Dale Street, Liverpool.
DAVENPORT, W. T.	26A, Sankey Street, Warrington.
DAWSON, ERNEST	49, Deansgate, Manchester.
DAWSON, HENRY WALKER	Union Offices, Parson's Lane, Bury.
DICKSON, ALFRED ERIC, CAPT. ..	30, Winckley Square, Preston.
DIXON, ISAAC	7, Plattsville Road, Mossley Hill, Liver- pool.
DIXON, MYLES.. .. .	20, Castle Street, Liverpool.
DRUMMOND, BERTRAM	54, Alfred Terrace, Fleetwood.
DUNLOP, DUGDALE OAKELEY ..	28, Brazennose Street, Manchester.
EARLE, THOMAS ALGERNON	90, King Street, Manchester.
EGINTON, ARTHUR THOMAS	County Offices, Preston.
ELIAS, CHARLES FREDERICK	3, Cook Street, Liverpool.
ELLIS, FRANCIS.. .. .	Bast House, Walmersley.
ENTWISTLE, CHARLES CARRUTHERS	10, Norfolk Street, Manchester.
ENTWISTLE, JOSEPH	Greenmount, Milner Road, Ansdell Lytham.
FAIR, ARTHUR EDWARD.. .. .	Estate Office, Haigh Hall, Wigan.
FAIR, JAMES STRETTON	Estate Offices, Lytham.
FAIRCLOUGH, WILLIAM	The Gables, Leigh.
FOSTER, WILLIAM ARTHUR, A.M.I.C.E.	The Butts, Rochdale.
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GAWITH, HARRISON	City Surveyor's Office, Town Hall, Man- chester.
GREGSON, GEORGE ERNEST	106, Lord Street, Southport.
GUNSON, ERNEST	10, Marsden Street, Manchester.
HALL, JOHN HERBERT	1, Cooper Street, Manchester.
HARRIS, JOHN HENRY	Royal Liver Buildings, Liverpool.
*HARTLEY, HENRY.. .. .	Bristowe Chambers, 8, Harrington Street, Liverpool.
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HORSBURGH, WILLIAM PETER . .	D.16, Exchange Buildings, Liverpool.
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LAW, WILLIAM MILLER	51, North John Street, Liverpool.
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ELLAM, GEOFFREY WALTER.. ..	5, Cavendish Road, Chorlton-cum-Hardy.
ELLIS, KENNETH MALCOLM	The Estate Office, Worsley, Manchester.
ENTWISTLE, THOMAS	Hazelwood, Temple Drive, Swinton Manchester.
EVANS, ERNEST	32, Central Drive, Blackpool.
FAIRCLOUGH, VINCENT	The Gables, Leigh.
FINISTER, HARRY	Public Offices, Huyton, near Liverpool.
FLITCROFT, PERCY	Kilmorey, The Green, Worsley, near Manchester.
FORSTER, EDMUND TAYLOR	44, Devonshire Road, Liverpool.
FULTON-SMITH, GRAEME GARTSHORE	Queen's Chambers, 26A, Sankey Street, Warrington.
GARDNER, HENRY, JUN.	Mill Hey, Poulton-le-Fylde.
GILL, WILLIAM ERNEST	2, Solness Street, Bury.
GORSE, FRANK.. .. .	Northcote, Liverpool Road, Gt. Sankey, Warrington.
GOULDING, WILLIAM WHITTAKER..	8, Marshall Road, Levenshulme, Manchester.
GREENHALGH, HAROLD	179, Settle Street, Great Lever, Bolton.
GREENWOOD, WILLIAM	11, Richmond Terrace, Blackburn.
GREGORY, WILLIAM JAMES	17, Darley Road, Seymour Grove, Manchester.
GRIFFITHS, SAMUEL PRICE?	Hadley, Alderley Edge, near Manchester.
GRIMSHAW, ALLAN LESLIE	252, Elliott Street, Tyldesley.
HADFIELD, EDWARD	6, Old Hall Lane, Worsley.
HARKER, ALEC	71, Belgrave Road, New Moston, Failsforth, Manchester.
HARRISON, ERNEST	Westbrook, Bolton-le-Sands, near Carnforth.
HARRISON, NORMAN SIMONS	The Elms, Brierley, near Barnsley.
HARRISON, PERCY	Town Hall, Middleton.
HART, ROBERT	Hillcrest, Radcliffe New Road, Whitefield Manchester.
HARTLEY, RICHARD BASIL RUTHERFORD	39, Princess Street, Manchester.
HAWORTH, RICHARD TALBOT	School House, Broughton Beck, Ulverston.
HAWORTH, THOMAS.. .. .	Ivanhoe Villa, Walton-le-Dale, near Preston.
HEATON, HERBERT	Nog Tow Cottage, Cottam, near Preston
HEDGES, ALFRED VICTOR	Gawthorne Lodge, Burnley.
HELLIER, STANLEY JOHN, CAPT.	Council Offices, Formby, near Liverpool
HEYDON, FRANK	The Cottage, Middleton Lane, Winwick
HEYWOOD, REGINALD	County Surveyor's Department, Lancashire County Council Offices, Preston
HILL, WILLIAM	79, Duke Street, Liverpool.

HODGKINSON, JAMES HENRY ..	23, Delamere Street, Ashton-under-Lyne.
HOWARD, SAMUEL	4, Whitehall Street, Rochdale.
HOWARTH, HERBERT	19, East View, Preston.
HUCKSTEP, JOHN EDWARD ..	Room 20, Inland Revenue, 184, Deans- gate, Manchester.
HUGHES, ERNEST	129, West Derby Road, Liverpool, E.
HYND, JOHN	23, Westbourne Grove, Withington, Manchester.
INCE, ALFRED ETHELBERT ..	48, Bertrand Road, Bolton.
INGHAM, GEORGE TAYLOR ..	Sandy Ridge, Radcliffe, near Manchester.
JACKSON, ALFRED ERNEST ..	Town Hall, Southport.
JACKSON, JOHN EDWARD ..	132, King Street, Dukinfield, Man- chester.
JONES, ARTHUR DEW	City Surveyor's Office, Town Hall, Man- chester.
JONES, ERNEST HYWEL.. ..	65, Newsham Drive, Liverpool.
JONES, REGINALD	1, Windy Nook, Garstang Road, Ful- wood, Preston.
KEIGHLEY, SAMUEL.. .. .	70, Albion Street, Burnley.
KEIGHLEY, SAMUEL, JUN. ..	Bleak House, Manchester Road, Burnley.
KILLENDER, HENRY CLAUDE ..	39, Merton Road, Bootle, Liverpool.
LAWTON, ROBERT ALLISON ..	37, Rectory Road, nr. Crumpsall, Manchester.
LEES, GEORGE	25, Radcliffe Street, Oldham.
LOADES, FRANK CHARLES ..	Borough Engineer's Office, Southport.
LOWE, JOHN	66, Swinley Road, Wigan.
MACKAY, WILLIAM	75, Oak Road, Crumpsall, Manchester.
MACKERETH, WILLIAM MOORE ..	The Garth, Pennybridge, near Ulverston
MACRAE, CHARLES.. .. .	3, Station Road, Ormskirk.
MAIR, WILLIAM FRASER.. ..	65, Norwood Road, Stretford, Man- chester.
MANGAN, WILFRID CLARENCE ..	18, Guildhall Street, Preston.
MIDDLETON, JOHN ELLIS ..	23, Clifton Street, Blackpool.
MILLER, THOMAS HARTLEY ..	Worsthorne Estate Office, Todmorden Road, Burnley.
MORRISON, DANIEL.. .. .	41, John Dalton Street, Manchester.
MORTON, THOMAS CHALMERS ..	5, Cross Street, Manchester.
NAYLOR, WILLIAM ANDERTON ..	45, Hornby Road, Blackpool.
NEWMAN, JOHN ALBERT.. ..	7, Swinley Road, Wigan.
OVDENDEN, HUGH	Holmfield, Whitestake, near Preston.
PAGE, ARTHUR REGINALD ..	Belle Vale Lodge, Gateacre, near Liver- pool.
PAIN, COARD HENRY	51, North John Street, Liverpool.
PARK, EDWARD	Prospect House, Greenodd, Ulverston.
PEARSON, BENJAMIN JOHN.. ..	14, Lynwood Road, Aintree, Liverpool.
PEARSON, THOMAS GIBSON ..	Town Hall, Barrow-in-Furness.
PENNINGTON, STANLEY MUNCASTER	10, Merton Road, Bootle.
PERCIVAL, FRANK NEVILLE ..	Estate Office, Singleton Park, Poulton- le-Fylde.

PERRINS, GEORGE LATHAM	23, Halifax Road, Ainsdale, Southport.
PICKIN, ROBERT WILLIAM	Denny Bank, Halton, near Lancaster.
PICKUP, JOHN	43, Eldon Road, Blackburn.
PIERPOINT, LEONARD	31, King Street, Wigan.
POOLE, GEORGE	3, Parkfield Road, Waterloo, Liverpool.
POOLE, REGINALD	10, Gloucester Road, Bootle, Liverpool.
POTTS, GILBERT ACKROYD	34, Victoria Buildings, Victoria Street, Manchester.
PRITCHARD, WILLIAM, JUN... ..	Housing Department, Mnicipal Build- ings, Liverpool.
PUNCHARD, THOMAS WILLIAM ..	Land Valuation Office, Market Square- Lancaster.
PURSGLOVE, ARCHIBALD, A.R.I.B.A.	10, Elmsmere Road, Fog Lane, Didsbury Manchester.
RICHARDS, DANIEL HERBERT	c/o Orr's Zinc White, Ltd., Widnes.
RIDER, WILLIAM HERBERT	2, Curzon Road, Southport.
RILEY, RICHARD HOLDEN	Hillcrest, York Road, Langho, Blackburn.
ROBINSON, GEORGE INGRAM	7, Tacketts Street, Blackburn.
ROBINSON, MAURICE DIXON	7, Tacketts Street, Blackburn.
RULE, THOMAS	33, Melling Road, Southport.
SAVAGE, TOM ALBERT	36, Moston Road, Middleton Junction, Manchester.
SAWBRIDGE, DANIEL	Kensington House, Wigan Lane, Wigan.
SCHOLES, JOHN GREAVES	6, Walton's Parade, Preston.
SELBY, JOHN BASELEY	Atherton Hall, Leigh, near Manchester.
SHAW, ERNEST	33, Johnson Street, Cheetham, Man- chester.
SIBBALD, WILLIAM LOGAN	75, Langshaw Street, Old Trafford Manchester.
SIMPSON, HARRY TREVOR	28, Albany Road, Blackburn.
STANSFIELD, HUBERT RIGG	Roche Dene, Victoria Road, Cleveleys, nr. Blackpool.
STEPHEN, JOHN, JUNR.	30, Coronation Drive, Blundellsands, Liverpool.
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SUTCLIFFE, WILLIAM, A.R.I.B.A. ..	31, Strines Road, Walsden, near Tod- morden.
TAYLOR, JOHN HOWARTH	13, Queensgate, Bolton.
TAYLOR, SHEPHERD HODG, A.M.I.C.E.	Valuation Department, Inland Revenue 78, King Street, Manchester.
THAYER, JOHN DIAMOND	1, Harringay Avenue, Liverpool.
THOMPSON, ARTHUR TAYLOR.. ..	Fairhaven, Albert Road West, Heaton Bolton.
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TURNER, HENRY	121, Watling Street Road, Fulwood, nr. Preston.
TURNER, HERBERT.. .. .	49, Deansgate, Manchester.

TURNER, LEONARD CECIL	Earl of Wilton's Estate, Radcliffe.
TURNER, WILFRID ARCHER	Union Chambers, Ashton-under-Lyne.
WALKER, WILLIAM ALBERT. A.M.I.C.E.	Borough Engineer's Office, Town Hall, Salford.
WARD, JOHN ELDON	10, Wynsdale Road, Bolton.
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WHITTLE, HENRY	4, Queen's Square, Blackpool.
WICKENDEN, ERNEST	City Surveyor's Office, Town Hall, Manchester.
WILKINSON, JOSEPH PATTERSON	Brookside, Starling Road, Radcliffe, Manchester.
WILLIAMS, JOSEPH BERTRAM	54, Church Street, St. Helens.
WILLIAMS, RICHARD JOHN	3, Rectory Road, Higher Crumpsall, Manchester.
WILLIS, GEORGE	35, Newton Road, Urmston, Man- chester.
WILLIS, THOMAS	22, Hornby Terrace, Morecambe.
WOODMAN, GREENWOOD	90, Bolton Road, Kemsley, nr. Bolton.
YATES, HAROLD	50, Lynwood Road, Blackburn.
YOUNG, WILLIAM FREDERICK	Lenbury, Eastwood Road, Leigh-on- Sea.

ASSOCIATE :

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PROBATIONERS .

CALLAN, JAMES WILSON	Village View, Burnage Lane, Didsbury.
JOHNSTONE, JAMES LLOYD WARRACK	Middlewood, Aughton, Ormskirk.
ROBERTS, GWILYM CARADOC	10, Darlington Street, Cheetham Hill, Manchester.
WILKINS, CHRISTOPHER	The Grove, Longton, nr. Preston.

STUDENTS :

GRADDON, REUBEN HAROLD	71, Virginia Street, Southport.
GRUNDY, FRED	Park House Cottage, Astley, nr. Man- chester.
HARTLEY, ALBERT	200, Honeywell Lane, Oldham.
HENSHAW, ROBERT RUSHTON	7, Rathmore Avenue, Liverpool, S.
SHIELDS, FRANK	5, Adelaide Street, Blackpool.
SLATER, JOHN ALFRED	Mouldings, Whittingham Lane, Goos- nargh, near Preston.
WALMSLEY, JOHN	4, Yew Tree Terrace, Grimsargh, Preston.
WILLIS, CHARLES	22, Hornby Terrace, Morecambe.

LEICESTERSHIRE.

(Leicestershire, Northamptonshire, and Rutland Branch.)

FELLOWS :

ASPELL, FRED HEWLINGS	32, Halford Street, Leicester.
BANKS, FREDERICK STUART ANGUS	Lloyd's Bank Chambers, Leicester.
BURT, JOHN THOMAS	Central Chambers, 7, Pocklington Walk, Leicester.
CARLTON, HARRY WESTON	Lubenham, Market Harborough.
CHARLES, ARTHUR	Noseley Estate, Billesdon, Leicester.
COALES, HERBERT GEORGE, A.M.I.C.E.	Local Board Offices, Market Harborough.
*FISHER, CHARLES BROWNING, C.B.E.	Market Harborough.
*GERMAN, GEORGE	Rawdon Terrace, Ashby-de-la-Zouch.
GERMAN, GEORGE JOSEPH	Ashby-de-la-Zouch.
*GERMAN, JOHN	Ashby-de-la-Zouch.
HAIGH, THOMAS FREDERICK ..	7, Friar Lane, Leicester.
HINCKS, HENRY THORP.. ..	Keyham, near Leicester.
KEAY, WILLIAM	6, Millstone Lane, Leicester.
NORMAN, STUART HENRY	Auction Mart, Halford Street, Lei- cester.
*ROLLESTON, WILLIAM GUSTAVUS STANHOPE	Grey Friars, Leicester.
THORPE, JOHN	Market Bosworth.
WOOLLEY, MAURICE THEODORE ..	Rectory Place, Loughborough.

PROFESSIONAL ASSOCIATES :

CHAMBERLAIN, REGINALD PERCY, CAPT., M.C.	23, Fosse Road Central, Leicester.
DARNELL, CHARLES TILLEY	The Gables, Blaby, near Leicester.
ELMES, FREDERICK LANSELL.. ..	Southolm, Knighton Road, Leicester.
EVERARD, BERNARD	6, Millstone Lane, Leicester.
FYSH, PERCY WILLIAM	4, Melbourne Road, Leicester.
GOODWIN, PERCY WORTHINGTON..	Copston, Hinckley.
GREEN, REGINALD GEORGE	Theddingworth.
HAYCOCK, HARRY	Great Glen, near Leicester.
JOYCE, HARRY WARD, B.SC. ..	Alton Grange, Ashby-de-la-Zouch.
LEFEAUX, RAYMOND LANGHAM..	21, London Road, Leicester.
LEWIS, FRANCIS	Shortacre, Wigston Fields, near Leicester.
LOVEGROVE, EDWARD TYLER ..	"Stoneleigh," Burton Hill, Melton Mowbray.
MAMMATT, GERALD ARTHUR ..	Priorfield, Ashby-de-la-Zouch.
ORCHARD, ALFRED DEAN	Market Bosworth.
ORTON, WILLIAM GOODACRE ..	9, Gopsall Street, Leicester.
SANDERS, DENNIS CHARLES W. ..	The Old Manor, Lubenham, Market Harborough.

SHELBOURN, PHILIP CLIVE..	..	South Parade, Melton Mowbray.
SNOW, HENRY CYPRIAN..	..	8, Pocklington's Walk, Leicester.
SYMONS, CECIL FREDERICK	..	Devonia, North Town, Ashby-de-la-Zouch.
THOMPSON, JOHN CLULOW	..	Westerby House, Smeeton, Leicester.
WOOLLEY, JOHN LEYLAND	..	Rectory Place, Loughborough, Leicestershire.

STUDENTS :

GERMAN, GUY JOHNSON	..	Rawden Terrace, Ashby-de-la-Zouch.
NEWCOMBE, REGINALD JOHN	..	The Hill, Market Harborough.

LINCOLNSHIRE.

(Nottingham, Lincoln and N. Derby Branch.)

FELLOWS :

BEASLEY, THOMAS CALVERT PLATT		Harston, Grantham.
BRADSHAW, ARTHUR GEORGE	..	County Surveyor, Newland House, Lincoln.
BURROUGHES, CHARLES FITZ-PATRICK	..	Kelton Cottage, Stamford.
CROFTS, EWAN NEVILE	..	Caythorpe, Grantham.
FOOT, HAROLD JOHN	..	15, Barn Hill, Stamford.
FULLER, ERNEST BENJAMIN	..	Prudential Chambers, Victoria Street, Grimsby.
HAILEY, VICTOR	..	Arden House, Raisen Lane, Lincoln.
HAYNES, ALGERNON RICHARD	..	Cooney Court, Brigg.
HIGGINS, FREDERIC	..	Alford.
INGRAM, JAMES FRANCIS	..	26, Victoria Street, Grimsby.
KERR, JOHN MURRAY	..	Inland Revenue, London City and Midland Chambers, High Street, Lincoln.
MASON, CHARLES	..	Newton House, Queen Street, Louth.
MORRIS, ARTHUR	..	54, St. Peter's Avenue, Cleethorpes.
RIGGALL, JABEZ ALLAN	..	Uppingham House, Spalding.
ROBINSON, ALFRED KEON	..	Victoria Chambers, 87, Victoria Street, Grimsby.
STONE, FREDERIC	..	Estate Office, Elsham, Grimsby.
TINDALL, CHARLES WILLIAM	..	Wainfleet, S.O.
TURTON, EDWARD JAMES	..	Horkstow, Barton-on-Humber.
WILSON, WILLIAM EDWIN	..	The Tannery, Inge Lane, Waltham.
WOOD, HAROLD	..	4, South St. Mary's Gate, Grimsby.
WOOLLEY, REGINALD SMITH	..	Silver Street, Lincoln.

PROFESSIONAL ASSOCIATES :

BATES, OSCAR GEORGE	..	Estate Office, Canwich, Lincoln.
BELL, HARRY CECIL	..	Shirley Croft, Grantham.

BONE, HUGH	Borough Engineer and Surveyor's Office, 170, Victoria Street, Grimsby.
BUTTRICK, WALTER HAMMOND . .	Bank Chambers, 109, High Street, Scun- thorpe.
CROWLEY, WALTER ST. LEDGER . .	32, Hall Place, Spalding.
DARLEY, ROBERT BRADSHAW, CAPT.	Sutton Bridge.
EVANS, CHARLES STOKES EATON . .	Petwood Estate Office, Woodhall Spa.
HENDY, ALFRED	Buckminster, Grantham.
HIRST, CHARLES HENRY	12, Frodingham Road, Scunthorpe.
INGLEBY, ERNEST JAMES, N.D.A. . .	Normanton Lodge, Stamford.
LAWRENCE, CHARLES WILLIAM JOHNSON	The Elms, Rushington, Sleaford.
LILL, ARTHUR	South View, High Holme Road, Louth.
MILLER, ARTHUR WILLIAM	10, Princes Road, Northfields, Stamford.
MOSS, SIDNEY ROBERT	28, Ashlin Grove, Lincoln.
PALMER, CHARLES DRAYTON	c/o District Valuer, High Bridge, Lincoln.
RUDKIN, HENRY CECIL	4, St. Peter's Hill, Grantham.
SPENCER, AUBREY VERE, MAJOR, D.S.O.	Sutton Bridge.
TURNER, DRYSDALE	165, West Parade, Lincoln.
WASS, ARNOLD CROWTHER	82, Willingham Street, Grimsby.
WRIGHT, PHILIP CHETWOOD	Brattleby Hall, near Lincoln.

STUDENTS :

BARRON, JOHN REYNOLDS	Bottesford Road, Ashby, nr. Scun- thorpe.
HOLMES, HENRY WILKINSON	Prince George Street, Skegness.

MIDDLESEX.

(Bedford, Essex, Hertford, and Middlesex Branch).

FELLOWS :

ABRAMS, BENJAMIN PERCY	87, High Road, Kilburn, N.W.6.
ASSITER, HARRY G.	The Weald House, Harrow Weald.
BISCOE, FRANCIS EDWIN	2, College Road, Harrow-on-the-Hill.
BROWN, REGINALD, M.B.E., M.I.C.E., M.I.M.E.	Osterley, Longford Avenue, Southall.
CHAPPELL, FRANK RICHARDSON . .	153, Stapleton Hall Road, Stroud Green N.
CHARLES, RICHARD DUDLEY STAFFORD	Stonegrove Cottage, Edgware.
CHARLES, RICHARD STAFFORD . . .	Green Acres, Gordon Avenue, Stanmore.
CLARKE, GEORGE ERNEST	31, The Mall, Southgate, N.14.
CRABB, HENRY RALPH	Public Offices, Enfield.

CRACKNELL, JOHN GIBSON	28, Fortis Green, N.2.
CRUMP, HAROLD	Quarndon, 8, Ashbourne Avenue, Golder's Green, N.W.
DOD, HERBERT CHARLES WILLIAM	14, Elgin Road, Alexandra Park, N.22.
DODGE, H. W.	120, High Street, Brentford.
DONE, JOHN JAMES	Cricklewood, N.W.
EVES, FRANCIS GEORGE BERTRAM	54, High Street, Uxbridge.
EVES, WILLIAM LIONEL	54, High Street, Uxbridge.
FAIRMINER, WILLIAM JAMES ..	Ye Homestade, 40, Hallswelle Road, Golder's Green, N.W.
FITT, HARRY CHARLES	21, Craven Avenue, Ealing, W.
FOX, EDWIN	Ballard's Lodge, North Finchley, N.12.
FRENCH, CECIL GEORGE, MAJOR..	50, Prince's Avenue, Church End, Finchley, N.
FRY, JOSEPH HARRY	64, Craven Park, Willesden, N.W.
GAMBLE, SIDNEY GOMPERTZ, A.M.I.C.E.	16, Queen Anne's Gardens, Bedford Park, W.4.
GARNHAM, EDWIN ALFRED VICKERY	The Elms, Pinner Road, Pinner.
GIMSON, ALLEN	16, Woodridings Avenue, Hatch End.
GOADBY, HOWARD	72, Clifden Road, Twickenham.
HALL, VERNON MANNING	22, The Avenue, Bedford Park, W.
HALL-JONES, FREDERICK	35, The Broadway, Ealing.
HARDY, ERNEST CARLISLE	5, Gainsborough Road, Bedford Park. W.4.
HARFIELD, ALFRED GEORGE	Wellesley, Cavendish Avenue, Finchley, N.3.
HEBDEN, FRANCIS RADCLIFFE ..	Valuer's Department, Inland Revenue, 72, Clifden Road, Twickenham.
HEWLITT, HORACE JAMES	High Road, Weald Village, Harrow.
HINTON, HERBERT ARTHUR	5, Crouch Hill, N.
HODSON, LAURENCE SCRIVENER	Opposite Great Northern Railway Station, Palmer's Green, N.
HOME, PHILIP WOOLLATT	63, Weston Park, Crouch End, N.8.
HORNE, EDMUND	High Street, Hounslow.
HUNT, HERBERT CHARLES	70, King Edward's Grove, Teddington, Middlesex.
JARMAIN, WILLIAM	Alandale, Hatch End.
LAKE, CUTHBERT	Hatch End.
LAKE, RALPH JULIAN	Heage House, Crouch Hill, N.
LAMBERT, ARTHUR JOHN	36, Hindes Road, Harrow.
MANN, WALTER	30, Rosemount Avenue, North Finch- ley, N.12.
MARTIN, THOMAS	39, Osborne Road, Palmer's Green, N.13.
MELVIN, CHARLES JOHN	43, High Street, Teddington.
MONSON, EDWARD CHARLES PHILIP, F.R.I.B.A.	182, High Street, Acton, W.
NEWMAN, BERNARD	19, Villiers Road, Southall, W.

NEWMAN, HENRY ARTHUR, A.M.I.C.E.	Council Offices, Church End, Finchley, N.
NORMAN, HERBERT JOHN	Clare Lodge, Southall.
PAUL, HENRY	22, Durham Road, Ealing, N.W.5.
PEARCE, FRED W.	Surveyor's Office, Town Hall, Twickenham.
PERKIN, HERBERT	17, Welldon Crescent, Harrow.
PERRY, CHARLES WILLIAM	18, Spencer Avenue, Palmer's Green, N.13.
PITT, JOSEPH HENRY	14, Harvist Rd., Brondesbury Rd., N.W.
POWER, PERCY TOMES	c/o Gale, Power & Cumberland, Junction Station, Staines.
RACKHAM, HAROLD WILFRED ..	Engineer and Surveyor to Hendon R.D.C., Stanmore.
RAYMOND, WALTER LESLIE ..	The Estate Office, Golder's Green, N.W.
READ, WALTER HERBERT ..	The Avenue, West Ealing, W.
REEVES, CHARLES WESTCOTT ..	Bramshaw, Uplands Park, Enfield.
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SANDELL, STANLEY LUNAU ..	816, High Road, Tottenham, N.
SMITH, GORDON WINTON MACKLIN	Brookfield, Neeld Crescent, Hendon, N.W.4.
STURT, CHARLES EDWIN	16, St. Stephen's Gardens, East Twicken ham.
SUTTON, FREDERICK STANLEY ..	St. Peter's, Hatch End.
SYMONS, PERCY JAMES	37, Cranhurst Gardens, Willesden Green, N.W.
SYMS, REGINALD HARDY, MAJOR ..	Rosmore, Spring Grove, Isleworth.
TAYLOR, JOHN HENLEY	Ingleside, Golden Manor, Hanwell, W.
TAYLOR, THOMAS OSBORNE ..	25, Grand Avenue, Muswell Hill, N.
WAIN, GEORGE SPARROW	Valuer's Office, 72, Clifden Road, Twickenham.
WALDRAM, PERCY JOHN	Robin's Croft, Second Avenue, Hendon, N.W.4.
WESTLAKE, WILLIAM JOHN WALTER	Clifden House, Brentwood.
WILLIS, EDWARD	Engineer and Surveyor's Department, Town Hall, Chiswick, W.
WOODS, ARTHUR GEORGE	196, High Street, Hounslow.
WOODS, THOMAS	4 and 5, Church Parade, Hounslow.
WORRALL, JOSEPH RATCLIFFE	28, Northwich Park Road, Harrow.
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PROFESSIONAL ASSOCIATES :

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ASH, CHARLES ANTHONY	89, Horsham Avenue, N. Finchley, N.12.
BAILEY, ALFRED CECIL	19, Sheldon Road, Cricklewood, N.W.2.
BARBER, HARRY JOHN	35, Woodstock Avenue, Golder's Green, N.W.
BARRY, ARTHUR THOMAS	4, Napier Road, Wembley.
BAXTER, FRANK	5, Elm Park, Great Stanmore.
BEAUMONT, JOHN EDMUND ..	1, Landsown Road, Duke's Avenue, Muswell Hill, N.
BELL, ETHELBERT ERNEST ..	89, Salisbury Road, Harrow.
BESANT, HUBERT SAXTON ..	Eastern Command Trade School, Hounslow.
BEVINGTON, ERNEST	116, Cranley Gardens, Muswell Hill, N.
BIGHAM, ROBERT ALEXANDER ..	8, Osborne Road, Willesden Green, N.W.2.
BISHOP, ERNEST WILLIAM ..	11, Cromwell Avenue, Highgate, N.
BLAKE, JOHN PATRICK	Surveyor's Office, Council House, Hounslow.
BLOUNT, FRANCIS	27, The Park, Ealing, W.
BLYTH, CHARLES KYDD	110A, Northview Road, Hornsey, N.8.
BOOTH, HOWARD EDWIN	17, Holmwood Gardens, Church End, Finchley, N.
BOUSTRED, HUBERT WILLIAM ..	80, Hanley Road, Stroud Green, N.4.
BRIDGER, ALEXANDER GUILLAN	85, Mora Road, Cricklewood, N.W.
BRITAIN, FRANK	11, Park Road, Chiswick, W.
BROWN, EDGAR OSWALD	6, Russell Gardens, Golders Green, N.W.4.
BROWN, EDWARD WALTER	
WILLIAM	Erlstoke, Woodhouse Road, N.12.
BRUZAUD, SIDNEY JOHN	25, Corringham Road, Golder's Green, N.W.11.
BUCKLAND, WILLIAM THOMAS ..	72, Clifden Road, Twickenham.
BUMPSTEAD, ALBERT DENNIS ..	70, Heath Gardens, Twickenham.
BURNETT, WILLIAM JOHN FELIX	Fairmead, Beaulieu Villas, Finsbury Park, N.4.
CARR, HERBERT FRANCIS	52, Golders Green Road, N.W.4.
CHAPMAN, JOHN FRANK	8, Hilton Avenue, North Finchley, N.12.
CHAPPLE, JOHN GRADDON	59, Burnaby Gardens, Chiswick, W.
CHEESEWRIGHT, ERNEST	56, St. Kilda Road, West Ealing, W.
CHILD, GEORGE MALCOLM	8, Esmond Road, Bedford Park, W.4.
CLACK, JOHN	Woodthorpe, St. James Avenue, Hampton Hill.
CLARK, ROBERT CHARLES	30, Bedford Road, Harrow.
CLARKE, FREDERICK EDWARD ..	Yew Tree Lodge, Feltham Hill Road, Ashford.
CLEVELEY, FRANK DAVIS	14, Douglas Avenue, Wembley.
CLIPSON, SAMUEL	Surveyor's Dept., Municipal Offices, Dyne Road, Kilburn, N.W.6.
CLOSE, HUBERT JOHN	18, Sneath Avenue, Golder's Green Road, N.W.

CODLING, ALFRED JOHN	394, Richmond Road, Twickenham.
COLBECK, HENRY, A.R.I.B.A. ..	14, Grange Road, Ealing, W.5.
CONDER, ALFRED ROWLAND A.R.I.B.A.	42, Cecile Park, Crouch End, N.8.
CRANFIELD, GUY WILLIAM, MAJOR, M.B.E.	Bramley House, Enfield.
CULLINGTON, STANLEY CYRIL ..	85, Farrant Avenue, Wood Green, N.22.
CUTMORE, HENRY JAMES	76, Rosebank Avenue, Harrow.
DABORN, ALWYNE VICTOR ..	21, Lower Teddington Road, Hampton Wick, Middlesex.
DAVIES, LEONARD OWEN	11, Freeland Road, Ealing, W.
DAW, EDMUND NORMAN	14, Roseberg Gardens, Crouch End, N.
DIXON, FRANCIS EVELYN ..	Homeleigh, River Avenue, Palmer's Green, N.13.
DONALDSON, JAMES	50, Station Road, Hayes, Middlesex.
DONE, JOHN PAUL CUSSONS ..	c/o Messrs. Done, Hunter & Co., Cricklewood, N.W.2.
DRING, CECIL	21, Tynemouth Road, S. Tottenham, N.1.5
DRURY, WILLIAM ALEXANDER ..	66, West Street, Harrow.
DUTCH, ROBERT VICTOR	48, Teignmouth Road, Cricklewood, N.W.
EASTON, WALTER JOHN	82, Twyford Avenue, Acton Hill, W.
ELPHICK, RICHARD	4, Palace Mansions, Muswell Hill, N.
FARTHING, CHARLES HAROLD ..	6, Station Yard, Twickenham.
FAULKNER, JOHN BRAFIELD ..	28, Springwell Avenue, Harlesden, N.W.
FAWCETT, GERALD SIDNEY ..	80, Woodland Rise, Muswell Hill, N.10.
FINCH, GEORGE FREDERICK ..	7, Crouch Hall Road, Crouch End, N.
FISHER, ROBERT	10, Fairlight Avenue, Harlesden, N.W.
FORGE, RAYMOND JAMES ..	c/o Holland & Co., Argyle Corner, West Ealing Station, W.
FOURACRE, FREDERICK WALTER	28, Mountfield Road, Church End, Finchley, N.3.
FOWLER, ERNEST ELIAS	4, Aden Grove, N.16.
FREEMAN, LEONARD GEORGE ..	31A, Lichfield Grove, Church End Finchley, N.3.
GARNETT, WILFRED EWART ..	35, Holyoake Walk, Ealing, W.5.
GASSON, BERNARD	28, Temple Gardens, Golder's Green N.W.4.
GIBBS, HERBERT NORMAN ..	7, Mountfield Road, Finchley, N.3.
GIBSON, WILLIAM	26, Rosemont Road, Acton, W.
GILBERT, ARTHUR	Brooklyn, Enfield Wash, N.
GILBERT, SAMUEL HOWELL ..	Station Approach, Pinner.
GILLETT, HERBERT EDWARD ..	Holmwood, Bishopswood Road, High gate, N.6.
GOODALL, ERIC WILLIAM ALDRICH	26, Cromwell Avenue, Highgate, N.6.
GORDON, ANDREW DONALD ..	30, Stapleton Hill Road, Stroud Green N.4.
GREEN, GEORGE EDWARD	10A, Vicarage Parade, West Green Road, N.15,

GREEN, THOMAS FRANK, A.R.I.B.A.	272, Willesden Lane, N.W.2.
GREENWOOD, ERNEST	360, High Road, Chiswick, W.
GUIVER, DUDLEY	47, Cecil Road, Enfield.
GUMBRELL, LEONARD BARTON ..	64, King Edward's Grove, Teddington.
HADDEN, FREDERICK WILLIAM ..	21, Bradley Gardens, Ealing, W.
HAILEY, VICTOR	14, Hillside Gardens, Highgate, N.
HALL, HERBERT GEORGE RHÔNE, CAPT.	Eaton Villa, Hoppus Road, Palmer's Green, N.13.
HALL, WALTER HOWARD, A.M.I.C.E.	46, Queen's Road, Finsbury Park, N.
HALLAM, FRANK VINCENT ..	55, Adolphus Road, Finsbury Park, N.4.
HARDING, HENRY NORMAN, MAJOR, M.C.	Cranmore, Spring Grove, Isleworth.
HART, FRANK JAMES	44, Gordon Road, Ealing, W.5.
HASSETT, REGINALD CHARLES ..	42, High Road, Kilburn, N.W.
HEMMONS, BERNARD	10, Cambridge Park, Twickenham.
HICKMAN, HENRY RICHARD ..	4, Dorset Road, Ealing, W.5.
HICKS, WILLIAM ROOKE, A.M.I.C.E	Town Hall, Ealing, W.
HILL, SYDNEY NORMAN	Lansdowne, Baker Street, Enfield.
HILTON, OSWALD	Surveyor's Department, Council House, Hounslow.
HITCHINS, STEPHEN	75, Hillfield Park, Muswell Hill, N.
HOLLOWAY, HARRY	c/o Mrs. Shelton, 16, Queen's Road, Twickenham.
HORNE, EDWIN CHANCELLOR ..	57, Hanworth Road, Hounslow.
HOUGHTON, JOHN HENRY	Blakesware, Cambridge Road, Teddington.
HOWARD, ALGERNON	c/o P. Chase Gardener & Co., 269, High Street, Hounslow.
HUMPHREYS, REGINALD	Clifton House, Brentford, W.
HUNT, MAURICE LEONARD	8, Glebe Avenue, Enfield.
JACKSON, FRANCIS JOSEPH	121, Gresham Road, Staines.
JACKSON, WILLIAM	Sulby, Victoria Road, Mill Hill, N.W.7.
JOHNSON, ROLAND FINNIS	37, Rotherwick Road, Golder's Green, N.W.4.
JONES, CHARLES THOMAS	124, St. Albans Avenue, Bedford Park, Chiswick, W.
JONES, WILFRED ESMOND	131A, Compton Terrace, Highbury, N.1.
KING, GILBERT RIGLEY	Town Hall, Twickenham.
KING, HERBERT JAMES	Station Road, Winchmore Hill, N.21.
LAMBERTH, FRANK	29, Ivy Road, Cricklewood, N.W.2.
LAWLEY, GEORGE FRANK	38, Willoughby Lane, Tottenham, N.17.
LEWIS, SIDNEY FORD	38, Ludlow Road, Brentham, Ealing, W.5
LUCK, GEORGE EDWARD	Estate Office, Crouch End Station, N.
MANFIELD, JOHN HENRY	12, Fairfield Road, Crouch End, N.8.
MANN, PERCY	Dalmeny, Lauradale Road, Fortis Green, N.
MARKS, THOMAS EDWARD	30, Wimborne Gardens, Ealing, W.13.
MARRIOTT, R. A.	2, The Villas, Norton Road, Uxbridge.

MARSHALL, THOMAS ALFRED	26, Park Road, Chiswick, W.4.
MARTIN, ALEXANDER WILLIAM	The Laurels, Marden Road, South Tottenham, N.
MARTIN, MORITZ RICHARD	394B, Richmond Road, Twickenham.
MERRINGTON, FREDERICK ARTHUR	22, Clifton Gardens, Golder's Green, N.W.4.
MILES, WALTER EDWARD ..	10, Stanhope Gardens, Harringay, N.
MILLEN, GEORGE ROBERT	
MENELAUS	139A, High Road, Tottenham, N.15.
MILLS, ROBERT HENRY	Frith Manor, Mill Hill,, N.W.7.
MILTON, FREDERICK	79, High Street, Wealdstone.
MONTGOMERY, GEORGE	24, Montpelier Road, East Finchley, N.
MORGAN, WILLIAM THOMAS ..	Town Hall, Southall.
NEVILLE, ERIC BERNARD	6, Birkbeck Road, Acton, W.3.
NEWMAN, A. E.	6, Durant's Road, Ponders End.
OSBORNE, EDWARD SIDNEY ..	The Firs, Nether Street, Church End, Finchley, N.3.
PEARCE, STEPHEN HARVEY ..	Polruan, Conway Road, Southgate, N.
PLUMB, FRANCIS CLARKSON ..	22, Clack Lane, Ruislip.
PORTER, EVELYN DE BOCK ..	Valuation Office, 38, Lansdowne Road, Tottenham, N.7.
POTTER, SHIRLEY HERBERT ..	2, Stanhope Gardens, Highgate, N.6.
PRICE, ERIC ARTHUR	92, Holden Road, N.12.
PULLEN, HAROLD WILLIAM ..	21, Dickenson Road, Crouch Hill, N.
QUILTER, HENRY	St. Malo, Percy Road, Hampton-on-Thames.
RATCLIFF, WILLIAM WATTS	The Willows, West Drayton.
ROLFE, CHARLES BERTRAM ..	60, Butler Road, Harrow.
SCALES, ARTHUR ALFRED	53, Morley Road, East Twickenham.
SCARSBROOK, REGINALD GEORGE	95, Meadvale Road, Ealing, W.5.
SCEATS, DOUGLAS BRIANT ..	117, Meadvale Road, Ealing, W.5.
SCHILLING, JOHN FRANCIS	1, Benymead Gardens, Acton.
SEXTON, GEORGE WILLIAM	Rosemont, Christchurch Avenue, Brondesbury Park, N.W.
FRANCIS	
SHEARER, JAMES HUGHAN,	15B, Golder's Green Road, Golder's Green, N.W.11.
A.R.I.B.A.	
SHELLEY, WILLIAM LINCOLN ..	28, Beatrice Road, Finsbury Park, N.
SHERWIN, SAMUEL WILLIAM ..	9A, Royal Parade, Muswell Hill, N.10.
SICH, PERCY BERTRAM WARDELL	Norfolk House, The Mall, Chiswick, W.
SMITH, ARTHUR FREDERICK ..	23, Caddington Road, Cricklewood, N.W.2.
SMITH, JOHN HAROLD	Fernleigh, Queen's Road, Uxbridge, W.
SNEATH, PHILIP GEORGE	134, Audley Road, Hendon, N.W.4.
SPEED, SYDNEY CHARLES	7, Chase Green Avenue, Enfield.
STEVENS, LEWIS JOHN	78, Milton Road, Hanwell, W.
STILES, ARTHUR	Lincoln House, Ponder's End.
STUBBING, RICHARD WEBB	14, Queen Anne's Gardens, Bush Hill Park, Enfield.

STURT, LESLIE	Highgate Station (G.N.R.), N.
SUMMERSELL, JAMES GLEED ..	29, Strawberry Hill Road, Strawberry Hill.
SYMES, ALFRED GEORGE	3, Bridge Place, Pinner.
TAYLOR, CECIL GEORGE	18, Grange Drive, Winchmore Hill, N.21.
TAYLOR, WILLIAM GRAHAM ..	59, Lynton Road, Springfield Park, Acton.
TAYLOR, WILLIAM KENNETH WENTWORTH	Engineer's and Surveyor's Department, U.D.C., Willesden.
THOMAS, JAMES HUGH TREMAYNE	7, Woodville Road, Ealing, W.
THOMSON, JAMES BLACK, A.M.I.C.E.	Town Hall, Southall.
THORPE, WILLIAM FREDERICK ..	17, Cardwell Road, Tufnell Park, N.
TIVENDALE, THOMAS	Highgate Station, G.N.R., N.
TOLEY, ERNEST ALBERT	Horsenden Farm, Sudbury, Harrow.
TOLEY, FRANK	154, Uxbridge Road, Hanwell, W.
TOLL, STANLEY	69, Calcott Road, Brondesbury, N.W.
TOWNSEND, EDWARD ALDRIDGE	45, Riverway, Palmer's Green, N.
TRINDER, WILLIAM MERRICK.. ..	44, Claremont Road, Teddington.
TURNER, AUGUSTUS GARDNER ..	Westbourne House, Richmond Road, Twickenham.
VINTER, PAMPLIN MAULDIN ..	5, High Road, Wood Green, N.
WARD, RAYMOND JOHN	25, Uxbridge Road, Hanwell, W.7.
WATSON, ALBERT RICHARD	3, Broadway Avenue, East Twickenham.
WEST, PHILIP	104, Brondesbury Road, Kilburn, N.W.
WEST, SYDNEY HENRY	Resident Architect's Office, Hayes U.D.C.
WHESKER, JOHN EDWARD.. ..	27, Trinity Road, Wood Green, W.
WHITEFIELD, STANLEY PARKIN	94, The Avenue, Ealing, W.
WHORWELL, HAROLD ERNEST ..	48, Elmwood Road, Chiswick, W.4.
WILKES, SIDNEY MARSHALL ..	45, Lady Margaret Road, Southall, W.
WOOD, PERCY JOHN	103, Florence Road, Stroud Green, N.
WOOLNOUGH, TOM	Oakleigh, 182, Chase Side, Southgate, N.14.
WORTH, GEORGE PEARCE ..	The Homestead, Windmill Road, Ealing, W.

ASSOCIATE :

THORNE, RICHARD SQUIRE, B.A. (Cantab.)	Nicoll Farm, Edgware.
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COLONIAL FELLOW :

BUNNY, JOSEPH	15, Grange Park, Ealing, W.
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PROBATIONERS :

JOHNSON, RAYMOND EDGAR ..	47, Cowley Road, Uxbridge.
MATTHEWS, HAROLD MARTEN ..	51, Barrington Road, Crouch End, N.
SKINNER, C. WILLIAM	77, Mount Pleasant Road, S. Tottenham, N.15.
STREDDER, CECIL ALFRED EDWARD	102, Goldsmith Avenue, Acton, W.
TRUMPER, RICHARD WILLIAM ..	27, Blakesley Avenue, Ealing, W.

STUDENTS :

ASHWELL, PHILIP ECOB	195, Church Street, Edmonton, N.9.
BETTESWORTH, SIDNEY ALBERT ..	53, Hindes Road, Harrow.
BISCOE, RONALD GEORGE	3, Greenhill Road, Harrow.
EVERY, CECIL TOM	105, Dartmouth Road, Brondesbury, N.W.2.
MOORE, CHRISTOPHER CONSTABLE	Woodlands, Oakleigh Park.
PECK, FREDERICK EDWARD ..	Four Oaks, Hatch End.

MONMOUTHSHIRE.

(Wales (South) and Monmouthshire Branch.)

FELLOWS :

BENNETT, STEPHEN AUGUSTUS, A.M.I.C.E.	County Surveyor's Office, Newport.
BOWEN, ALFRED JOHN	Surveyor's Dept., County Hall, Newport.
EAMES, HENRY PARSLÖE	Pencraig, Caeran Crescent, Newport.
EVERY-CLAYTON, REGINALD ARTHUR ERIC	County Land Agent, 2, Gold Top Newport.
FISHER, GATHORNE JOHN	Briarlea, Penygarn, Pontypool.
HUMPHREYS, JOHN HENRY	Castle House, Usk.
JONES, JOHN RICE	24, Bridge Street, Newport.
POWELL, FREDERICK ATKINSON, F.R.I.B.A.	Agincourt Square, Monmouth.
VACHELL, THEODORE	Tredegarr Chambers, Newport.
VAUGHAN, JAMES HENRY, A.R.I.B.A.	Metropolitan Bank Chambers, Newport.

PROFESSIONAL ASSOCIATES :

BLOWEN, FREDERICK EDWARD VIVIAN, CAPT.	559, Chepstow Road, Newport.
DAVIES, PHILIP ISAAC	32, High Street, Ebbw Vale.
FRANCIS, THOMAS PHILLIP	Town Hall, Pontypool.
GRIFFITHS, DANIEL	Granville House, Pontypool.
GRIGGS, HENRY JENNER, A.R.I.B.A.	Metropolitan Bank Chambers, Newport.
HAGGETT, HORACE PURCHASE ..	Cargate, Bryngwyn Road, Newport.
HOPLEY, SYDNEY FRANK	Lantarnam, near Newport, Mon.

KELLY, GEORGE WILLIAM CALVER	29, Monnow Street, Monmouth.
MARFELL, JAMES HENRY	Norwood House, Usk.
NELSON, WILLIAM PERCIVAL ..	Station House, Pontypool Road.
NORTON-NASH, HARRY BEDDOES	Valuation Office, 24, Bridge Street, Newport.
PUNTER, PERCIVAL ALAN	Council Offices, Cwmbran.
SAGE, ERNEST DERRETT	The Grange, Usk.
SHAW, FREDERICK JOHN	Westgate Chambers, Newport.
TAYLOR, GEORGE ARTHUR	Surveyor's Office, Bedwellty U.D.C., Aberbargoed.
TAYLOR, SAMUEL DAVIS	Priory Bank, Monmouth.
TILL, TOM RYMER	23, High Street, Chepstow.
WADE, GODFREY NEWTON ..	County Hall, Newport.
WILLIAMS, JOHN JOSEPH	Llanarth Estate Office, Newport.

STUDENT :

JEFFERIES, THOMAS LESLIE	
(GILBERT)	Wansbeck House, Chepstow.

NORFOLK.

(Cambridge, Huntingdon, Norfolk, and Suffolk Branch.)

FELLOWS :

BECK, ARTHUR CLEMENT	Castle Rising, King's Lynn.
*BECK, EDWARD WILLIAM	16, Bank Street, Norwich.
BUCKINGHAM, CLAUDE SOMERSET..	43A, Prince of Wales' Road, Norwich.
CASTLE, MALCOLM ARTHUR ..	Bridge Auction Mart, Yarmouth.
COLLIER, ARTHUR CHARLES ..	20, The Close, Norwich.
EASTER, WILLIAM	Wiggenhall St. German, King's Lynn.
FALCON, MICHAEL	Horstead House, Norwich.
GOODCHILD, RALPH HARRY	57, London Street, Norwich.
GOWING, CHARLES TOWLER	17, Prince of Wales Road, Norwich.
HAWKE, ROWLAND WELSTEAD, CAPT.	Hoveton Lodge, Wroxham, Norfolk.
HAWKINS, EDWARD ROBINSON ..	The Old Rectory, Southacre, King's Lynn.
HAWKINS, LANCELOT GOULDER ..	Downham Market.
HORNOR, BASSETT FARDELL, D.S.O.	Old Bank of England Court, Queen Street, Norwich.
HORNOR, CHARLES JARED	32, Prince of Wales Road, Norwich.
HORNOR, FRANCIS	Old Bank of England Court, Queen Street, Norwich.
*IRELAND, EDWIN BENJAMIN.. ..	Guestwick, East Dereham.
MILLS, SAMUEL MEALING	51, London Street, Norwich.
MORGAN, BENJAMIN BRAUFORD ..	1, Upper King Street, Norwich.

OLDFIELD, CLAUDE COURTENAY	51, Park Lane, Norwich.
PARFITT, GERALD ARTHUR	Waterworks Lodge, Heigham, Norwich.
POWELL, WALLACE GERALD	City Engineer's Office, Norwich.
SAVILL, ALFRED :.. .. .	Hill House, Dilham, Norwich.
SMITH, QUENTIN CULLEN	Market Place, North Walsham, and High Street, Mundesley.
WATERS, FRANK	30, Cattle Market Street, Norwich.
WIDDICOMBE, CHARLES EDWIN ..	Valuation Department, King's Lynn.
WRIGHT, SAMUEL WARE	97, Lichfield Road, Great Yarmouth.
WRIGHT, WILLIAM EDWARD	King's Lynn.
YOUNG, THOMAS JOHN	6, Upper King Street, Norwich.

PROFESSIONAL ASSOCIATES :

APTHORPE, HENRY GUY	104, Victoria Road, Diss.
ARNOLD, HARRY HAGON	Victoria Chambers, Bank Plain, Norwich
BARNHAM, GEORGE WILLIAM	Griston, Watton.
BRIGG, JOHN HAGGAS	Britannia Barracks, Norwich.
CAMERON, DONALD	4, Lower Clarence Road, Norwich.
DANIELS, REGINALD ARTHUR	The Birches, Mile End Road, Norwich.
EAGLES, WILLIAM ANDREW	Hayden House, Avenue Road, Hunstanton
FIELDING, KENNETH HUBERT	51, London Street, Norwich.
HEDLEY, HUBERT FREDERICK	3, Valentine Street, Norwich.
HUMPHREY, WILLIAM OVERTON ..	Council Offices, Fakenham.
JOLLY, WILLIAM JOHN	St. Audrey's, Thetford.
MAHONY, JAMES BURKE	Gayton House, Heigham Grove, Nor- wich.
MILES, OWEN	10, Regent Street, Great Yarmouth.
PAUL, GEORGE GARNHAM	Gunton Park, Norwich.
PRIEST, BERNARD	The Estate, Riddlesworth Hall, Thetford
RAYNER, WILLIAM DEX LEA	Glengarif, Wroxham.
SALTER, WILLIAM ERIC	Attleborough,
SMITH, DOUGLAS	Orford Estates Office, Thwaite, Erpingham
SMITH, FRANK HALL	Surveyor's Office, Sheringham.
SPELMAN, WILLIAM WILTON RIX ..	17, Bank Plain, Norwich.

ASSOCIATE :

CARDALE, WILLIAM HENRY ..	Old Cattor, Norwich.
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COLONIAL FELLOW :

GILL, JAMES HERBERT WAIN- WRIGHT	Park Cottage, Sedgford.
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STUDENTS :

MORGAN, ERIC RICHARD	Newton, Unthank Road, Norwich.
WILSON, HENRY HOLT	Snape Hill, Rickingham, Diss.

NORTHAMPTONSHIRE.

(Leicestershire, Northamptonshire, and Rutland Branch.)

FELLOWS :

BEARN, ARTHUR FREDERICK ..	Cedar Lawn, Wellingborough.
BLETSOE, HENRY HOPKINSON ..	Thrapston.
CAMPBELL, HUGH BRUCE	Heyford Hills, Weedon.
CAVE, THOMAS NEWMAN	Horton.
CROFT, CHRISTOPHER	The Elms, Dallington.
*DICKSON, THOMAS ARTHUR ..	17, Debdale Road, Wellingborough.
JESSUP, DAVID POOLEY	Inland Revenue, County Chambers, Northampton.
KENNETT, CHARLES ARTHUR ..	Neneview, Tansor, nr. Peterborough.
LAURANCE, JOHN BIDWELL ..	30, Priestgate, Peterborough.
MARSH, FREDERICK STEPHEN ..	7, Park Avenue, Northampton.
MERRY, THOMAS	9, Abington Street, Northampton.
PENDERED, RICHARD DUDLEY ..	Redwell, Wellingborough.
SAMSON, HORACE LUCAS	County Land Agent, Cross Street, Peter- borough.
SOWELS, WILLIAM CLOWES	Preston Capes, Byfield.
STOPS, HERBERT JACKSON	Wood Burcote Court, Towcester.

PROFESSIONAL ASSOCIATES :

ASTON, ADLARD KYME	78, Semilong Road, Northampton.
BLAIR-IMRIE, LT.-COL. HEW, C.M.G., O.B.E.	Olympia Agricultural Co., Ltd., Thor- ney, near Peterborough.
BLETSOE, THOMAS HENRY	Thrapston.
BRADSHAW, HAROLD CLAUD ..	Yew Tree Cottage, Boughton, nr. Northampton
BROWN, EDGAR OSWALD	R.E. Office, Weedon.
BROWN, JOHN	Abingdon Street, Northampton.
CLARKE, PERCY CHRISTOPHER ..	Longthorpe, Peterborough.
FARNSWORTH, WILLIAM CHARLES ..	c/o Messrs. Berry Bros. & Bagshaw, Kettering.
GILL, ROBERT	Town Hall, Towcester.
GILLITT, JOHN	2, Castle Street, Wellingborough.
HARRISON, CYRIL H. GILMORE ..	Great Brington, Northampton.
KIRBY, WILLIAM AUBREY	c/o Messrs. Berry Bros. & Bagshaw, Market Place, Kettering.
MURLAND, JAMES GERALD	Badby House, Daventry.
WHITTON, HAROLD WILLIAM ..	County Court, County Chambers, Northampton.
WOOLDRIDGE, ARTHUR MAIN- WARING	193, Alrington Avenue, Northampton.

STUDENTS :

IRESON, JOHN, JUNR. . . .	Glenthorne House, Yaxley, nr. Peterborough.
NORCOTT, JAMES FREDERICK BEAUCHAMP	Kelmarsh, Northampton.

NORTHUMBERLAND.
(Northumberland and Durham Branch.)

FELLOWS :

ARMSTRONG, HENRY	Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
*ARMSTRONG, THOMAS JOHN . .	14, Hawthorn Terrace, Newcastle-on-Tyne.
AYNSLEY, ROBERT JOHN	Fencer Hill, Gosforth, Newcastle-on-Tyne.
BARNES, HARRY, M.P., MAJOR . .	House of Commons, S.W.1., and 4, Summerhill Grove, Newcastle-on-Tyne.
BURCH, HERBERT	4, Mosley Street, Newcastle-on-Tyne.
*CLARK, JOHN MCCLARE	Haltwhistle, and Hexham.
CONNELL, E. J.	Trinity Buildings, 25, New Bridge Street, Newcastle-on-Tyne.
DAVIS, ARCHIBALD HINKLEY . .	90, Pilgrim Street, Newcastle-on-Tyne.
*EDGE, FREDERIC JAMES, M.I.C.E.	38, Blakett Street, Newcastle-on-Tyne.
FORSTER, THOMAS EMERSON . .	3, Eldon Square, Newcastle-on-Tyne.
HACKETT, WILLIAM JENNENS, M.B.E.	25, Coquet Terrace, N. Heaton, Newcastle-on-Tyne.
HARDIE, EBENEZER ROBERT . .	9, Sunbury Avenue, Newcastle-on-Tyne.
HINES, HERBERT	46, Pilgrim Street, Newcastle-on-Tyne.
HOLDSFORTH, HAROLD, O.B.E. . .	4, Mosley Street, Newcastle-on-Tyne.
JAMES, CHRISTIAN HUGH	Rudchester, Wylam-on-Tyne.
KIRKBY, REGINALD GUY, F.R.I.B.A.	17, Rosebery Crescent, Jesmond, Newcastle-on-Tyne.
McGhie, CHARLES	38, Collingwood Buildings, Collingwood Street, Newcastle-on-Tyne.
MILLS, FREDERICK PETER	47, Linden Road, Gosforth, Newcastle-on-Tyne.
ROBERTS, DAVID ALAN	20, Highbury, Jesmond, Newcastle-on-Tyne.
ROBSON, JOHN TEMPLE	Alnwick U.D.C., Alnwick.
ROBSON, WALTER	30, Honister Avenue, Newcastle-on-Tyne.

ROWE, A. E. P.	46, Rothbury Terrace, Heaton, Newcastle-on-Tyne.
*SAMPLE, CHARLES HERBERT, B.A. (Cantab.), O.B.E.	29, Grainger Street West, Newcastle-on-Tyne.
SAMPLE, WILLIAM COLLINGS . .	Tritlington Hall, Morpeth.
*SANDERSON, WILLIAM WAITE, C.B.E.	3 and 5, Mosley Street, Newcastle-on-Tyne.
SAVAGE, JOSEPH	1, Mosley Street, Newcastle-on-Tyne.
SCOTT, JAMES	48, Dean Street, Newcastle-on-Tyne.
SCOTT, JOHN	4, Mosley Street, Newcastle-on-Tyne.
SMITH, STANLEY ADDISON . . .	Trinity Buildings, New Bridge Street, Newcastle-on-Tyne.
TAYLOR, HARRY WILLIAM, A.M.I.C.E.	Cathedral Buildings, Dean Street, Newcastle-on-Tyne.
*TOWNEND, WILLIAM	Valuation Office, Inland Revenue, 52, Westgate Road, Newcastle-on-Tyne.
TURPIN, WILFRID	Gibbs Chambers, 52, Westgate Road, Newcastle-on-Tyne.

PROFESSIONAL ASSOCIATES :

ADAMSON, THOMAS ROBERT . .	27, Grove Street, Newcastle-on-Tyne.
AYNSLEY, DOUGLAS FARRER . .	24, Wolveleigh Terrace, Gosforth, Newcastle-on-Tyne.
BATY, REGINALD ELPHINSTONE	25, Rectory Terrace, Newcastle-on-Tyne.
BISHOP, PERCY JAMES	Trevelyan Hotel, Tynemouth.
BOWES, OSBORNE JOHNSTONE . .	25, New Bridge Street, Newcastle-on-Tyne.
BOWMAN, JOHN LESLIE	17, Forsyth Road, Newcastle-on-Tyne.
CLARK, WILLIAM CAMPBELL . . .	Bothal, Morpeth.
CLOUGH, WILLIAM HOWE	8, Simonside Terrace, Heaton, Newcastle-on-Tyne.
DUNS, ROBERT HARBOTTLE . . .	70, Lovaine Place, Newcastle-on-Tyne.
FOX, JOHN HARPER GRAHAM . . .	Wyndale, Belgrave Parade, Newcastle-on-Tyne.
HERDMAN, THOMAS ADAM	Tynedale, Westerhope, near Newcastle-on-Tyne.
HILL, THOMAS CUTHBERTSON . .	4, Cavendish Place, Jesmond, Newcastle-on-Tyne.
JENNINGS, GORDON SOTHAM . . .	Deputy Surveyor, Council Offices, Blyth.
KER, ARTHUR PRESTON	County Land Agent, 17, Claremont Place, Newcastle-on-Tyne.
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SHAW, CHRISTOPHER PEARSON ..	Esk Dale, Bingham, Nottingham.
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HEALE, CHARLES HENRY ROSS . .	St. Peter's Vicarage, Williton, Taunton.
HEATON, GUY	Abbey Chambers, York Street, Bath.
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STUDENT :

ARNOTT, WILLIAM GEORGE ..	Church Street, Woodbridge.
BIRMINGHAM, CHARLES ROY ..	85, Guildhall Street, Bury St. Edmund's.
JOHNSON, FITZROY EDWARD ..	Dale Side, Henley Road, Ipswich.
YELLOLY, CLAUDE REGINALD ..	Como, Looms Lane, Bury St. Edmund's.

SURREY.

(Surrey Branch.)

FELLOWS :

ADAMS, HENRY ROBERT	Tilford, Heathurst Road, Sanderstead.
ADAMS, THOMAS	Cecil House, Petersham.
APPS, BENJAMIN CHARLES	1, Bury Street, Guildford.
ARIS, JOHN WHITTON, M.A. (<i>Oxon.</i>)	Lois Weedon, Denbigh Gardens, Richmond.
BAVERSTOCK, HAROLD BRIDGE ..	Godalming.
BAXENDALE, FREDERICK GIESEN ..	Corbally, Arbrook Lane, Esher.
BELL, ALBERT HENRY	5, Salisbury Road, Wimbledon, S.W.19.

BENNETT, SYDNEY	Messrs. Nightingale, Phillips & Page Eagle Chambers, Kingston-on-Thames
BLAKE, WILLIAM JOHN	45, High Street, Croydon.
BOYD, JOHN JERMYN	Heath View, Weybridge.
BRENT, THOMAS	Messrs. Chesterton and Sons, Norbury, Manor Estate Office, London Road, Norbury, S.W.
BROWN, ARTHUR ALLEN	83, High Street, Croydon.
BRUZAUD, GEORGE JOSEPH	Highfield End, West Byfleet.
*CHART, CHRISTOPHER	Union Bank Chambers, Croydon.
*CHART, ROBERT MASTERS	The Vestry Hall, Mitcham.
CLARKE, GEORGE JOHN	32, Bensham Manor Road, Thornton Heath.
CLUTTON, RALPH WILLIAM	Hartswood, Reigate.
CRAWTER, JOHN	White House, Claygate.
CROW, FREDERICK LEWIS, JUN.	c/o Messrs. Crow, Dorking.
DASH, ROLAND ASHFORD	Oxshott.
DAVIES, JOHN NICHOLLS	96, Ashen Grove, Wimbledon Park.
DEACON, STANLEY MARCUS	Grasmere, Red Down Road, Coulsdon.
DENSHAM, JOHN BOON	The Warren, Higher Drive, Purley.
DIBDIN, ROBERT JOHN	Ridge Cottage, Woldingham.
DOWNING, HENRY PHILIP BURKE, F.S.A., F.R.I.B.A.	Avalon, Wilton Road, Merton, S.W.
*DUDLEY, EDGAR	Copesham Rise, Oxshott.
*EGGAR, JAMES ALFRED	74, Castle Street, Farnham.
EVANS, BERTIE GRAHAM	Dalmuir House, Gresham Road, Oxted.
FINN, HERBERT ARCHIBALD	16, St. Mark's Hill, Surbiton.
FREMANTLE, PERCY WARWICK	Cranbrook, Woodside Road, New Malden.
GALE, HARRY	High Street, Egham.
GARDINER, ROBERT STRACHAN	16, Crane's Drive, Surbiton.
GIBSON, ALEXANDER WILLIAM	17, Onslow Gardens, Wallington.
HARDING, CHARLES REGINALD, MAJOR	Leigh Mount, Cobham.
HARTFREE, GEORGE BERTRAM	Municipal Offices, Bridge Street, Godalming.
HAY, PERCY GILBERT	Totland, Clifton Road, Wallington.
HEATH, JOHN LIONEL	137, Worple Road, Wimbledon, S.W.19
HEWITT, FRANK	Karachi, The Drive, Coulsdon.
HIBBERT, JOSEPH VICTOR	77, Croydon Road, Anerley, S.E.
HINKS, HENRY	4, Wellesley Court Road, Croydon.
HOOPER, EDGAR WILFRED	Haslemere, Beaufort Road, Reigate.
HOOPER, HAROLD THOMAS	16, Osborne Road, Thornton Heath.
HOUGHTON, JOHN GOLDSMITH	34, Queen's Road, Richmond Hill.
JARMAN, FRANK WILMOT	19, Wharfedale Gardens, Thornton Heath.
JEFFERIES, HENRY CHARLES, O.B.E.	8, Madrid Road, Barnes, S.W.

KEARNS, ROBERT MATTHEW ..	Garryaven, Weston Green, Thames Ditton.
LAMBERT, ARTHUR PEPLOE	Trenton Street, St. Barnabas Road, Sutton.
LEE, ALEXANDER VICTOR	144, High Street, Guildford.
LODGE, THOMAS ARTHUR	Rythe Lawn, Thames Ditton.
LONGLEY, HENRY BANKS	Surrey Estate Offices, High Street, Epsom.
MARTIN, HOWARD	South Lawn, Reigate.
MASON, HERBERT WALTER	The Hutch, Ferndale Road, Banstead.
MAYHEW, ROBERT HENRY JEWERS, A.R.I.B.A.	Edmondsbury, Genoa Road, Anerley, S.E.
MENZIES, WILLIAM	Golspie, Englefield Green.
MESSINGER, WILLIAM HARRY ..	Town Hall Chambers, Guildford.
NASH, ALFRED JAMES	Farnham.
OGDEN, MICHAEL GUY	4, Hill Road, Wimbledon, S.W.
*OSENTON, CHARLES	Leatherhead.
*PAGE, GEORGE FREDERICK	Eagle Chambers, Kingston-on-Thames.
PARKER, CHARLES GOODE	Howarth, Banstead Road, Belmont, Sutton.
PARTRIDGE, EDWARD JOHN	Bank Chambers, 39, George St., Richmond.
PATCH, SHIRLEY HUTCHINS ..	The Chestnuts, Havelock Road, Addiscombe, Croydon.
PEAT, FREDERICK JAMES	West View, Evesham Road, Reigate.
PERRIAM, ALFRED JOSEPH	41, Quadrant Road, Thornton Heath.
PHILLIPS, WILLIAM EDWIN	Eagle Chambers, Kingston-on-Thames.
PILDITCH, WILLIAM THOMAS ..	4, Wellesley Court Road, Croydon.
POTT, WALTER, O.B.E.	Warren Garth, Belmont.
POTTER, GEORGE LOUIS	Wannock, Downs Court Road, Purley.
PRICE, MANSFIELD	Salatin, Sutton.
REES, WILLIAM ANDREW	154, Croydon Road, Anerley, S.E.
REFFELL, CHARLES ARTHUR	Thorney, Ennismore Avenue, Guildford.
REMNANT, ARCHIBALD CHARLES	185, Croydon Road, Anerley, S.E.
ROGERS, LEONARD SAMUEL	6, Park Lane Mansions, Croydon.
RUDLER, FREDERICK GEORGE ..	Piercefield, Ennerdale Road, Richmond.
RUTLEY, ARTHUR DENNETT	Estate Office, Woldingham Station.
SANDERSON, WILLIAM WAITE, O.B.E.	Beaconsfield, Grange Road, Sutton.
SHEARBURN, HARRY, B.A. (<i>Cantab.</i>)	Munstead, Godalming.
SHEARBURN, WILLIAM	39, South Street, Dorking.
SILVESTER, SIDNEY BARTLETT ..	"Kinlough," Purley Downs Road, Purley.
SKUES, CHARLES AYRE MACKENZIE	Ye Haven, Hockering Road, Woking.
SMITH, FREDERICK ROBERT	Hollisdene, Southville Rd., Thames Ditton
SMITH, GEORGE HENRY	1W, orcester Road, Wimbledon, S.W.
SOAR, ARTHUR COBDEN	Dilkusha, Park Road, Cheam.
STACEY, HARRIE	Station Road, Redhill.
STACEY, MICHAEL BEDE	Gresham Buildings, Redhill
STANBRIDGE, ARCHIBALD ROBERT	22, Watery Lane, Merton Park, S.W.
STEWART, HARRY S., A.R.I.B.A.	Bracken Hill, Limsfield.
STONE, CYRIL FRANK	Lyngate, Belmont Road, Reigate.

SUMMERFIELD, HORACE	Oversdale, Wherwell Road, Guildford.
TAYLOR, FREDERIC DENNISON ..	Melbourne House, Portsmouth Road Kingston-on-Thames.
TERRY, ERNEST FAIRCHILD ..	Engamer, 19, St. Matthew's Avenue, Surbiton.
THOMPSON, EDWARD HORACE ..	Southernhay, Hook, Surbiton.
WARD, HENRY PAYNE.. ..	Burleigh, Reigate Road, Redhill.
WATERS, WILLIAM RICHARD ..	c/o Chancellors, Richmond.
WATKINS, HAROLD ALFRED ..	Harpewood, Mount Pleasant, Wey- bridge.
WEBB, WILLIAM	Estate Office, Silver Lane, Purley.
WHITE, JAMES ALEXANDER ..	18, High Street, Dorking.
WIGHTMAN, WILLIAM OSBORNE ..	District Valuer's Office, Reigate Hill Road, Reigate.
WIGRAM, REGINALD SPENCER ..	Weybourne, Stoke Road, Cobham.
WILLIAMS, HAROLD, O.B.E. ..	43 and 45, High Street, Croydon.
YOUNG, KENNETH JAMES	1, Imperial Buildings, Croydon.
YOUNG, WILLIAM GEORGE.. ..	13, Branksome Road, Wimbledon, S.W.

PROFESSIONAL ASSOCIATES :

ADAMS, HUBERT ARTHUR, CAPT.	Horsington House, Grove Road, Woking.
ALLCOCK, ARCHIBALD JOSEPH	15, Avenue Road, Belmont, Sutton.
ANNS, FRANK.. .. .	3, Clyde Road, Croydon.
APPLETON, EDWARD	4, Park Avenue, Mitcham.
ARBLASTER, EDWARD ALBERT ..	14, Ethelbert Road, Wimbledon, S.W.19
AVERY, THOMAS ARTHUR ..	Melrose, Litchfield Road, Sutton.
AYLIFFE, WALTER SYDNEY ..	The Shrubberies, Woodside Green, South Norwood, S.E.
BAKER, HENRY THOMAS GEORGE	14, Holmwood Villas. Gander Green Lane, Sutton.
BARKER, HENRY ROTHERHAM ..	15, Bensham Manor Road, Thornton Heath.
BARKER, HERBERT GRAHAM ..	18, Arterberry Road, Wimbledon, S.W.
BAX, WILLIAM MOLYNEUX ..	37, Milton Road, Wellington.
BELL, WILLIAM JOHN.. ..	Morant, Gipsy Lane, Barnes, S.W.
BENNETT, ROLAND DAY	Edbrook, Warren Park, Warlingham.
BERRY, WILLIAM WELLINGTON ..	23, Kingston Hill.
BETRIDGE, SIDNEY WOODWARD..	Ferney, Warlingham.
BLAND, ROBERT LIONEL	16, Nassau Road, Barnes, S.W.13.
BODEN, HARROLD CASSWELL ..	"Wavertree," Worcester Park.
BOYS, THOMAS	Ravenscar, Albion Road, Sutton.
BOURNE, HARRY GORDON	10, Glossop Road, Sanderstead.
BRAY, JOCELYN	Southend, Ockham.
BROWN, ALFRED WILLOUGHBY HOPE	11, The Crescent, Barnes, S.W.13.
BULLOCK, BURNETT.. .. .	Milburn Road, Mitcham.
BURROWS, P. CHARLES	Elmdene, Runnemede Road, Egham.
BURTON, REGINALD JOHN CROFT	Roseneath, Valley Road, Kenley.

BYWATERS, STEWART FRANK ..	Mayes Place, Warlingham.
CAFFYN, SIDNEY CHARLES ..	1. Church Street, Leatherhead.
CASELEY, JOHN REGINALD ..	299, Ewell Road, Surbiton.
CATLEUGH, WILLIAM DENZIL ..	14, Rosevine Road, Cottenham Park, West Wimbledon, S.W.
CHAMBERLAIN, BENJAMIN ..	"Pendennis," Sherwood Park Road, Sutton.
CHARITY, FREDERICK WILLIAM	Glencoe, Woodside Avenue, Esher.
CHART, STEPHEN	Greenview, Mitcham.
CHILCOTT, ARTHUR SAMUEL	
FAIRWEATHER	10, Lonsdale Road, South Norwood, S.E.
CLARK, CHARLES WALTER ..	The Cottage, Meath Green, Horley.
CLARK, WILLIAM GEORGE AUSTIN	24, Addiscombe Court Road, Croydon.
COLLINS, WILLIAM RICHARD ..	Council Offices, Ham.
CORK, RONALD JOHN	21, Gap Road, Wimbledon, S.W.19.
CRUMP, THOMAS GRAHAM ..	1, Addiscombe Road, East Croydon.
CUSHEN, CHARLES OSMON ..	Down Cottage, Cliff End, Purley.
DAFFORN, GEORGE BERTIE ..	25, High Street, Wimbledon Common, S.W.
DAVIES, PERCIVAL LEOPOLD LAW- RENCE	62, Church Road, Barnes, S.W.12.
DAVIS, THOMAS HENRY CLIFFORD	Glyndwr, Cornwall Road, Sutton.
DEACON, EDWIN THOMAS ..	c/o C. F. Taylor, Horley.
DOW, WALTER JAMES	"Marazion," Eastwick, Great Bookham.
DURDEN, STANLEY JOHN ..	202, Melfort Road, Thornton Heath.
DUTTON, JOSEPH	20, Blenheim Gardens, Wallington.
EDWARDS, LANCELOT REGINALD ..	Nutley, York Road, Guildford.
EDWARDS, THOMAS HENRY ..	248, London Road, West Croydon.
ELLIS, CLIFFORD BARTLETT ..	28, Chertsey Street, Guildford.
ELLIS, HERBERT MOATES, CAPT., M.C.	Butterhill House, Dorking.
ERMERICH, HENRY	43, Beatrice Avenue, Norbury, S.W.
EVANS, PHILIP	Lynneside, Tirlemont Road, S. Croydon.
EVANS, WILLIAM KENNETH ..	Rohilla Cottage, Brewery Road, Horsell, Woking.
EVERSHED, ARTHUR EDWARD ..	The Crest, Aldershot Road, Guildford.
EVERSHED, WILFRID LEONARD	
ARMITAGE	The Crest, Aldershot Road, Guildford.
FALKNER, JOHN WILLIAM ..	c/o 11, Elmwood Road, Croydon.
FORRESTER, HAROLD	16, Addiscombe Road, East Croydon.
FORSAITH, FREDERICK LESLIE ..	43, Elmwood Road, W. Croydon.
FREEMAN, GEORGE	Kenmure, Spencer Hill, Wimbledon, S.W.
FROST, ERNEST DAVENALL ..	Oak Tree Cottage, Banstead.
FURNISS, GEORGE	"The Briars," Downs Road, Coulsdon.
GADD, ARTHUR	4A, Fairfield West, Kingston-on-Thames.
GAMMON, FRANK LEONARD ..	188, High Street, Guildford.
GARDNER, H. F.	Dalkeith, Duke's Avenue, New Malden.
GARDNER, JAMES	19, Grosvenor Road, Richmond.
GASSON, STANLEY	Silchar House, Fife Road, Kingston-on- Thames.

GATES, ERNEST HARRY	49, Leander Road, London Road, Thornton Heath.
GILL, FRANCIS ANDREW	Glenfine Cottage, White Rose Lane, Woking.
GINGELL, ERNEST EDWARD	Crockford Bridge Farm, Addlestone.
GLENN, GEORGE FREDERICK	West Byfleet.
GODWIN, CHARLES FISHER	49, The Crescent, West Croydon.
GOSNEY, STANLEY HARRY	44, Addiscombe Road, Croydon.
GOTELEE, GUY STANLEY	St. Cranbrook, Crichton Road, Carshalton.
GRANT, JOSEPH	103, George Street, Croydon.
GREY, GEORGES FORBES	The Surrey Agricultural Committee, County Hall Annexe, Kingston-on-Thames.
HAGGER, GEORGE JOHN	Warwick House, Grove Road, Sutton.
HALE, FRANCIS EDWARD	West Watch, Limpsfield.
HANDO, FREDERICK JOHN	254, Sandicombe Road, Kew Gardens, S.W.
HARDWICK, ARTHUR JESSOP	Eagle Chambers, Kingston-on-Thames.
HARRIS, HORACE SAMUEL	12, Shrubbery Villas, Bushey Road, Sutton.
HART, HERBERT EDWARD	8, Preshaw Crescent, Lower Green, West, Mitcham.
HARTRIDGE, ELIOT NÖEL	94, Queens Road, Richmond.
HAYLLAR, SIDNEY HAYLLAR	c/o Sadler and Baker, Camberley.
HEELAS, RAYMOND JOHN	Town Hall Chambers, Guildford.
HEMMING, GORDON WAYTE	51, Mount Ararat Road, Richmond.
HENDERSON, LIONEL EDWARD	Beechlands, Vincent Road, Coulsdon.
HINKS, HENRY	Valuation Office, 7, Park Street, Croydon.
HOLLIDAY, GEORGE	44-5, High Street, Croydon.
HOOPER, WILLIAM DOUGHTY	44, St. Paul's Road, Thornton Heath.
HOUGHTON, JOHN HENRY	40, Gloucester Road, Kew.
HUTSON, REGINALD ARTHUR	Council Offices, Carshalton.
IBBOTSON, WILLIAM BYROM	Bye Wood, Boyle Farm, Thame, Ditton.
IRELAND, ERNEST ARTHUR	6, Grosvenor Gardens, East Sheen, S.W.14.
ISARD, ERNEST	30, Ridgway Road, Redhill.
JECKELS, WILLIAM AUGUSTUS	Kewhurst, Avenue Road, Wallington.
JEFFERIES, HERBERT GEORGE, A.R.I.B.A.	11, Observatory Road, East Sheen, S.W.
JENNINGS, WALTER HENRY	Bemvinda, Queen's Road, Kingston Hill.
JONES, ARTHUR RYLAND	62, Home Park Road, Wimbledon Park, S.W.19.
JONES, HORACE EDWARD	7, Chatsworth Road, Croydon.
JONES, MERVYN CAMPBELL	Threshers Dean, Headley, Epsom.
KEASLEY, WILLIAM ERIC	Homeleigh, Robin Hood Lane, Sutton.

KEELE, JOHN DANIEL	Glencairn, Fairview Road, Sutton.
KENNARD, ALFRED JAMES	33-35, High Street, Croydon.
KENNARD, FREDERICK HARRISON	33-35, High Street, Croydon.
KIFT, GEORGE ANSLEY	25, Nassau Street, Barnes, S.W.
KINTON, HAROLD ERNEST	Stoneleigh, Sheen Lane, East Sheen, S.W.
KIRKWOOD, JAMES STUART	4, Stanford Road, Norbury, S.W.16.
LANE, EDMUND ARTHUR	17, Arlington Road, Surbiton.
LANGLANDS, CHARLES JOHN	
LAWRENCE	Hazon House, Epsom.
LEATHERDALE, FRANCIS HAROLD..	13, Lyndhurst Road, Thornton Heath.
LIELL, KINGSLEY.. .. .	Rusthall, Plough Lane, Purley.
LISTER-KAYE, CHARLES	Church Farm, Horne, near Horley.
LOGAN, MICHAEL LOAM	47, Ennerdale Road, Richmond.
LOWE, GEORGE HURST ARMERIN	Gleblands, Claygate.
LOWE, HENRY EDWARD	2, Melrose Road, Barnes, S.W.13.
LUKEY, GEORGE EDWARD	293, Holmesdale Road, S.E.25.
MACE, CHARLES MARRINER	106, Ellerton Road, Tolworth, Surbiton.
MACKMIN, HENRY AUGUSTUS .. .	Glenlynn, Beulah Road East, Thornton Heath.
McSHEEHY, JOHN EDWARD	
GERALD	7, Montana Road, Wimbledon, S.W.19.
MAIDES, PERCY THOMAS.. .. .	Homestead, Morland Road, Croydon.
MANN, FREDERICK CHARLES THOMAS	Woking.
MANN, HENRY	68, Bridge Road, East Molesey.
MARKS, JOHN BARKLY	The Rhedan, Farnham.
MARSTON, HORACE ARTHUR	Surveyor's Dept., Malden & Coombe U.D.C., New Malden.
MARTIN, FREDERICK MARK	District Valuer's Office, 1, Bury Street, Guildford.
MENZIES, RONALD VICTOR	Golspie, Englefield Green.
MEW, ROBERT HEATH	Dudley House, Ladbroke Road, Redhill.
MOLYNEUX, FRANK EUSTACE	Lingfield, Smitham Bottom Lane, Purley.
MOON, HENRY ALFRED, A.R.I.B.A.	1, Melbourne Road, Merton Park, S.W.
MURRAY, ARTHUR MALCOLM.. ..	Doric Villa, Duke's Avenue, New Malden.
MURRELL, GEORGE HERBERT	St. Mary's House, Quarry Street, Guildford.
JAMES	
NIGHTINGALE, ARTHUR LESLIE	84, King's Road, Wimbledon, S.W.19.
NIGHTINGALL, CHARLES WILLIAM..	South Hatch, Epsom.
PAICE, WILLIAM, JUN.	Wentworth Cottage, Virginia Water.
PARKER, HERBERT WILLIAM, CAPT.	Claremont, Brighton Road, Sutton.
PAYNE, W. BRADLEY	Knebworth, 33, Norbury Crescent, Norbury, S.W.16.
PEARSE, MARTIN	Abinger, Egmont Road, Sutton.
PEIRCE, RICHARD GEORGE	22, George Street, Croydon.
PENTLETON, ROBERT HENRY	Revelstoke, Salisbury Road, Carshalton.
PETERS, GEORGE FARMER JAMES..	Brighton House, Brookwood.
PHILCOX, CECIL LODGE	Northover, Heathridge Park Road, Woking.

POOL, ARTHUR HARRY WILLIAM..	57, Gibbon Road, Kingston-on-Thames.
POPE, HERBERT BURGHAM	Thames Bank House, Lower Ham Road, Kingston-on-Thames.
POTTER, EDGAR WILLIAM	6, Francis Grove, Wimbledon, S.W.
POTTIER, ALFRED.. .. .	Bosigran, Whytecliffe Road, Purley
PRESTON, ERIC WATSON.. .. .	Curlew Hope, Weybridge.
PRESTON, WALTER RONALD	Curlew Hope, Weybridge.
PULFORD, LEONARD CYRIL	The Cedars, Addiscombe.
RADBURN, SYDNEY CHARLES	Cheriton Ridge, Kingston Hill.
RAGG, FREDERICK REGINALD	Estate Office, Ockham, Woking.
REES, WILLIAM HAROLD	154, Croydon Road, Anerley, S.E.
REMNANT, EUSTACE ARCHIBALD ..	185, Croydon Road, Anerley, S.E.20.
RICKETS, REGINALD HERBERT .. .	41, Southdown Road, Wimbledon, S.W.19.
ROBERTS, ARTHUR CECIL	5, The Pavement, Bright Road, Coulsdon.
ROBERTS, FREDERICK LEONARD .. .	18, Guilford Avenue, Surbiton.
ROBERTS, HOWARD	8, Anglesey Road, Kingston.
ROBINSON, FRANCIS WALTER.. ..	30, Halford Road, Richmond.
ROSEVEAR, JOHN ASHBURNHAM .. .	335, Upper Richmond Road, East Sheen, S.W.
ROWE, GILBERT CHARLES	c/o Maunsell & Rowe, 47, Church Road, Upper Norwood, S.E.
ROWLAND, HAROLD EVANS	The Gate House, Russell Hill, Purley
RUTTER, JOHN GIBSON	Londesborough Lodge, Worcester Park.
SAVILL, ERIC HUMPHREY	Chobham Farm, Chobham.
SAYER, HARVEY ROBERT, A.R.I.B.A.	45, Choumert Road, Peckham, S.E.
SCORER, ALFRED GEORGE	Hillcrest, Chilworth, Guildford.
SCURFIELD, ROBERT	Town Hall Chambers, Guildford.
SHAW, ROBERT WILLIAM	5, Dapdune Crescent, Guildford.
SHEARBURN, WILLIAM IVERY.. ..	Culverton Lodge, Dorking.
SHEPHERD, EDMUND THOMAS	387, London Road, Thornton Heath.
SINDEN, LESLIE WILLIAM	43, Stoke Road, Guildford.
SKEET, NORMAN JOHN	4, Lebanon Road, Croydon.
SLATER, GEOFFREY BRIAN	7, St. Helen's Road, Norbury, S.W.16.
SMITH, FREDERICK SUTTON	45, Bute Road, Wallington.
SMITH, HARRY VINCENT	54, Raynlen Road, Penge, S.E.
SOUTHGATE, FREDERICK JOHN .. .	11, Acacia Road, Norbury, S.W.16.
STAMFORD, ALFRED ARTHUR.. ..	23, Lower Green Road, Esher.
STEDEFORD, JOHN BRITTON	189, Selhurst Road, South Norwood, S.E.
STEDMAN, ERNEST WALTER	17, Parkgate Road, Wallington.
STILES, HERBERT	20, Temple Sheen Road, East Sheen, S.W.
STROUD, ALBERT WILLIAM	51, Graemesdyke Avenue, East Sheen, S.W.
SUNDERLAND, AMOS	113, Sydenham Road North, Croydon.
TANDY, ALFRED HENRY	The Briers, Southville Road, Thames Ditton.
TAYLOR, ARTHUR BRASSEY	74, Foxley Lane, Purley.

TAYLOR, WALTER FLOYD	95, Whitworth Road, S. Norwood.
TAYLOR, WALTER H.	25, Normanton Avenue, Wimbledon Park, S.W.19.
THOMPSON, FRANCIS LONGSTRETH	Summerhill, Riddlesdown Road, Purley.
TOWNLY, RONALD STARKEY ..	Rosebank, Downs Court Road, Purley.
TURNER, ALEXANDER WAKEFIELD	Highfield House, Guildford.
TURNER, ANTHONY WHITELOCK	Home Farm, Broome Hall, near Dorking.
TURNER, HENRY CHARLES PETTIT	204, Croydon Road, Anerley, S.E.
TURVILL, OSCAR FREDERICK ..	301, King's Road, Kingston-on-Thames.
WAGSTAFF, FREDERICK HOWARD..	Ellerslie, Campden Road, South Croydon.
WALKER, CECIL EDWARD	Surrey C. C. Small Holdings Committee, 86, Eccleston Sq., Westminster, S.W.1.
WALKER, JAMES CHALMERS ..	16, Panmuir Road, Cottenham Park, S.W.
WALKER, WILLIAM LEONARD, CAPT.	6, Montague Road, Wimbledon, S.W.
WALLIS, ERNEST DETTMAR ..	The Shelter, Bowes Road, Walton-on-Thames.
WEEKES, CYRIL SWAFFER	Estate Offices, Guildford.
WETENHALL, EDWARD BOX, A.R.I.B.A.	Wyken, Woodside, Wimbledon.
WHEELER, JOHN CAFFIN	116, Walton Road, East Molesey.
WICKER, JOHN OWEN	9, Belmont Road, Wallington.
WILKINS, HERBERT RANDOLPH ..	1, Denzil Road, Guildford.
WILLIAMS, FRANK MCCLURE ..	La Barn, Dunsfold.
WORDSWORTH, CHRISTOPHER..	Brooklands, South Godstone.
WORLAND, HENRY JOHN	35, High Street, Kingston.
YEWDALE, FRANCIS EDWARD..	Borough Surveyor's Office, Town Hall, Richmond.

ASSOCIATES :

BIDDER, HAROLD FRANCIS, MAJOR, D.S.O., B.A.	Ravensbury Manor, Mitcham.
DOCKING, CARLTON WILLIAM ..	Roslyn, Barclay Road, Croydon.
SETH-SMITH, ARCHIBALD.. ..	Silvermere, Cobham.

COLONIAL FELLOW :

COGHLAN, HENRY LAKE	I olme Chase, St. George's Avenue Weybridge.
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PROBATIONERS :

HAGGER, GUY MONTAGUE WILES	89, Park Road, Kingston Hill.
MARTIN, NORMAN HERBERT ..	Chesham, Chesham Road, Woking.
NORRINGTON, CHARLES FREDERICK	Coombe Dene, Woodside Park, New Malden.
RODGERS, JOHN	Belgrave, South Street, Dorking.

STUDENTS :

BLISS, JOHN LESLIE	Chesleigh, Presbury Road, New Malden.
BROWNE, RONALD EDWIN JAMES	Broadwater House, Kingston Road, Merton, S.W.20.
CHARLTON, NOEL	172, Sheen Road, Richmond.
CLARK, ALBERT EDWARD ..	24, Addiscombe Court Road, East Croydon.
COATMAN, WILLIAM FRANCIS ..	Charlton House, Masons Avenue, Croydon.
DAWNEY, PERCY WILFRID ..	Caswell, Downs Court Road, Purley.
JOHNSON, BRUCE MARK VICE ..	57, Oakfield Road, West Croydon.
LANGRAM, JOSEPH GEORGE ..	30, Chatham Road, Norbiton.
MATTHEWS, WOLVERLEY	Mill House, Church Road, Croydon.
MATTS, JOHN STEDDY	Tower House, Blechingley.
PAICE, WILLIAM ROBERT .. \ ..	46, Cannon Hill Lane, Merton Park, S.W.19.
SMITH, GEORGE ALFRED	Homecote, Heathcote Road, Epsom.
STONE, KENNETH EDWARD DAY	Eastwood, The Avenue, Camberley.
TAPPING, REGINALD ERNEST ..	The Old House, Waddon.
THOMPSON, WILLIAM	8, Crescent Gardens, Wimbledon Park, S.W.19.
WAGSTAFF, FREDERICK ARTHUR	Ellerslie, 1, Campden Road, South Croydon.

SUSSEX.

(Sussex Branch.)

FELLOWS :

BAINES, MATTHEW TALBOT, M.A. (<i>Cantab.</i>)	Westbrook Hall, Horsham.
*BANNISTER, MONTAGU DOUGLAS ..	Market Place, Hayward's Heath.
BASLEY, HAROLD PULLAM	163, North Street, Brighton.
BATES, PERCY	71, Pembroke Crescent, Hove.
BEAUMONT, RAYMOND PILBEAM ..	9, North Street, Brighton.
BOND, ERASMUS	Beachy Down, Edensor Road, East- bourne.
BOWDITCH, HENRY	Sunny Bank, Chichester Road, Bognor.
BOWLEY, JOHN CROSS	St. Tudno, Mountney Road, Eastbourne.
BROMLEY, HERBERT JOHN	57, Terminus Road, Eastbourne.
BURTENSHAW, ALBERT	Hailsham.
BURTENSHAW, ALBERT KING	Hailsham.
CARR, CHARLES WATSON	32, The Avenue, Chertsey Road, Byfleet.
CATON, EDMUND PERCY	Sunnyside, Avondale Road, Hove.

CHILTON, ERNEST ALFRED	Molesey House, Uckfield.
CLARKE, ALFRED HOWARD	11, High Street, Crawley.
COLGATE, THOMAS	Meeching Court House, Newhaven.
CULVERHOUSE, CECIL GOLDAR FEARN	23, Gloucester Place, Brighton.
CUTHBERT-WILLIAMS, HENRY	Dudley House, The Steyne, Bognor.
DENNISON, JOHN W., F.R.I.B.A.	28, Upperton Gardens, Eastbourne.
DYER, FREDERICK BURFIELD	23, Gloucester Place, Brighton.
FORD, ANDREW	7, Gildredge Road, Eastbourne.
GARDNER, GILBERT	Crawley.
GREEN, EDMUND HORACE	10, Carew Road, Eastbourne.
HALL, RODERICK GLENDINNING	84, Victoria Drive, Eastbourne.
HOBGEN, THOMAS CECIL	41, East Street, Chichester.
HOOD-DANIEL, HARRY AUGUSTUS	Hill View, Fittleworth.
*INGRAM, WALTER FEILDE	2, St. Andrew's Place, Lewes.
KING, FRANK HULME	Horsham.
MARTIN, JOHN PATTINSON	63, High Street, Lewes.
MELLOR, THOMAS HENRY	1, Sillwood Place, Brighton.
MITCHELL, GEORGE SHARMAN	Broadbridge Place, Horsham.
NYE, HAYDN PERCIVAL	23, Gloucester Place, Brighton.
OGILVIE, ROBERT MATHEWSON	Market Place, Hayward's Heath.
OVERTON, WILLIAM HENRY	22, Ship Street, Brighton.
PARSONS, FREDERICK CECIL	163, North Street, Brighton.
PHIBBS, HARRY, A.R.I.B.A.	Seveirg Buildings, High Street, Lewes.
POWELL, HUBERT JOHN	Hill Lodge, Lewes.
*POWELL, REGINALD HENRY	Estate Office, Lewes.
PRICE, ROBERT HENRY	Home Cottage, Richmond Avenue, Bognor.
REEVE, KINGSNORTH	27, High Street, Rye.
SCRIVEN, CHARLES HERBERT	Watlington, Grange Road, Lewes.
SMITH, SIDNEY	Southwater, Horsham.
STEVENS, BENJAMIN	20, Cornfield Road, Eastbourne.
STONER, ALFRED	Blenheim Hotel, Marlborough Place, Brighton.
TAYLOR, JOHN HERBERT	Turner's Hill.
WALFORD, EDWARD	Fieldcote, East Grinstead.
WARR, GEORGE WALTER	Town Hall, Southwick.
WATSON, CHARLES EDWARD	32, The Avenue, Eastbourne.
WATSON, JAMES BRUCE	Petworth.
WILKINSON, THOMAS	170, North Street, Brighton, and 30A, Western Road, Hove.
*WOOD, LESLIE STUART	East Grinstead.
WOODHAMS, JAMES PERCY	27, High Street, Battle.
*WYATT, HERBERT GUY BUCKELL	East Street, Chichester.
*WYATT, OLIVER NEWMAN	East Street, Chichester.
YOUNG, SIDNEY	Selborne Villa, London Road, Burgess Hill.

PROFESSIONAL ASSOCIATES :

ADAMS, GERALD JAMES FREDERIC	"Kitsilano," Golf Links Avenue, Felpham.
ALLAM, FREDERICK WILLIAM ..	Postlands, Southwater, Horsham.
ANDREWS, WILLIAM FREDERICK	43, Park Crescent Terrace, Brighton.
ANSELL, DOUGLAS GEORGE ..	11, Brunswick Terrace, Hove.
ATKINSON, CLIFFORD GARNETT ..	Horsham U.D.C., Town Hall Chambers, Horsham.
AYLING, JOHN	17, Richmond Place, Brighton.
BEALE, DONALD OLAF CHRISTOPHER	Uckfield.
BENTON, GERALD SYDNEY	14, Norfolk Road, Brighton.
BESCOBY, HARRY BERNARD	Guestling, Hastings.
BISLEY, CLAUDE VIVIAN	7, Windlesham Gardens, Brighton.
BLABER, MONTAGUE	Hailsham.
BRISSENDEN, CHARLES COOPER ..	Butts, Cousley Wood, Wadhurst.
BURSTOW, RALPH HENRY	46, Station Road, Bexhill-on-Sea.
BURT, WALTER LESLIE	Penland, Steyning.
CALLE, GEORGE STUART	Mill Lodge, Seaford, and Terminus, Buildings, Seaford.
CALLOW, CLAYTON HAROLD	47, Havelock Road, Hastings.
CARPENTER, ROBERT HENRY ..	"Parkwood," St. Swithuns Terrace, Lewes.
CIAPMAN, FREDERICK MONTAGUE	West Dean, Chichester.
CHASEMORE, ALEC	Ashleigh, Horsham.
CIENNELLS, ARTHUR JOHN ..	c/o Wilkinson, Son & Welch, 170, North Street, Brighton.
CHILD, CHARLES	Slinfold, near Horsham.
CLIFTON, CHARLES	6, Clifton Road, Brighton.
COTCHING, GEORGE FREDERICK ..	26, Chapel Road, Worthing.
CUTTS, EDWARD JAMES	99, Pevensey Road, Eastbourne.
DAVISON, LOUIS JAMES	c/o Messrs. Ellis and Palmer, East Grinstead.
DOVE, JAMES FAITH	20, Burlington Place, Eastbourne.
DRAPER, FREDERICK CHARLES ..	22, Greenfield Road, Old Town, East bourne.
EDWARDS, LANCELOT REGINALD ..	Glen Lyn, King Henry's Road, Lewes.
GILBERT, ERNEST MARK	Oldfield, Ditchling.
GRAVES, PAUL KINGSLEY	117, North Street, Brighton.
GURNEY, SIDNEY JOHN	116, Victoria Drive, Eastbourne.
HARDIMAN, HARRY	13, Carisbrooke Road, St. Leonards-on- Sea.
HEWETT, RICHARD	13, High Street, Battle, Hastings.
HODGSON, ARCHIBALD SANFORD ..	Weston's Place, Warnham.
HODSON, ANTHONY GEORGE	Springmount, Kingston Road, Lewes.
HOLMAN, LUTHER MARTIN	Brooklyn, Ditchling Road, Brighton.
HOWLETT, ARTHUR ROYCE	High Street, Hurstpierpoint.
HOWSE, FREDERICK THOMAS LANE	The Poplars, Beckley.

INNES, GILBERT PLANTAGENET	
MITCHELL	Sandrock Hill, Playden.
JAMES, HARRY	77, Maltravers Street, Arundel.
KEKEWICH, STANLEY BUCK	27, Bedford Square, Brighton.
LUCAS, JOSEPH	22, East Ascent, St. Leonards-on-Sea.
MACER, ALFRED THOMAS	1, Windsor Road, East Worthing.
MACKENZIE, WILLIAM FALCONER	West Dean, Chichester.
McMAHON, JOHN FRANCIS	7, Grange Road, Lewes.
MAPLESDEN, JAMES WILLIAM ..	5, Middle Row, East Grinstead.
MAYNARD, JOHN EDWARD	1, Collington Avenue, Bexhill-on-Sea.
MELLOR, JAMES FREDERICK	110, St. James's Street, Brighton.
MILLS, ARTHUR CORFE	c/o Mrs. Percy Austin, Petworth.
MOAT, ERNEST WILLIAM	10, Calverley Parade, Tunbridge Wells.
MOODY, WALTER NORRIS	Westdene, Milton Road, Eastbourne.
MORWOOD, ARTHUR	Engineer's and Surveyor's Dept., Town Hall, Eastbourne.
NEWINGTON, CALEB RICKMAN K. ..	Sunnyside, Patcham.
OVERTON, PERCY	3, Albion Mansions, Marine Parade, Hastings.
PARKER, BELTRAN WILLIAM ..	Framfield Road, Buxted.
PARKS, WALTER	51, Havelock Road, Hastings.
PEARCH, DOUGLAS DAVISSON ..	West Hill House, Hastings.
PEGLER, FRANK REGINALD ..	Peacehaven Estates, Peacehaven, nr. Newhaven.
PENNINGTON, RICHARD WATSON	Cowbeech House, near Hailsham.
PERKINS, FREDERICK WILLIAM ..	6, St. James' Road, Tunbridge Wells.
PETERS, HERBERT THOMAS ..	24, Sussex Road, Hayward's Heath.
PHILLIPS, SAMUEL CHARLES ..	Borough Housing Surveyor's Office, Worthing.
POWELL, HUMPHREY CROFTS ..	38, Wilbury Road, Hove.
PRIOR, ARTHUR SPARKS	46, Buckingham Road, Brighton.
RHYS, JOHN PERCIVAL	Ardilaun, Lowfield Heath, Crawley.
ROWE, BASIL ARTHUR	51, Eastbrook Road, Portslade, Brighton.
ROWLAND, FRANK SKINNER ..	Smithbarn Lane, Horsham.
SEVERS, CHARLES COCHRANE ..	67, The Avenue, Lewes.
SMITH, GEORGE STUART ST. JOHN	Ivy House, High Street, Uckfield.
SMITH, HAROLD SANKEY	Stafford House, St. Leonards-on-Sea.
STANHAM, ALAN FRANCIS GORDON	Heatherley, Copthorne, Crawley.
STANHAM, HUGH GORDON ..	Heatherley, Copthorne, Crawley.
STRIDE, WALTER OSBORN	Messrs. Stride and Son, 63, East Street, Chichester.
TAYLOR, GEORGE AUSTEN ..	3, St. Anne's Terrace, Lewes, Sussex.
TIDMARSH, CHARLES BAILLIE ..	13, Springfield Road, St. Leonards.
TURNER, ALBURY CHARLES	Springdale, Glebe Villas, Hove.
UDNY, AUGUSTUS CHARLES	142, Springfield Road, Brighton.
UPTON, THOMAS HERBERT	66, Station Road, Horsham.
WEIR, EDWARD	Municipal Technical College Brighton.
WHEELER, PERCY HARRISKINE ..	Easebourne, Midhurst.

WHITEMAN, OBED ARTHUR JOHN	46, Sackville Road, Hove.
WILLOUGHBY, FRANK	Maylands, London Road, Hailsham.

ASSOCIATES :

FREEMAN, GEORGE MALLOWS,	
K.O.	The Grey Friars, Winchelsea.
RIGG, HERBERT ADDINGTON, K.C...	Wallhurst Manor, Cowfold.
WOOLNOUGH, JOHN WILLIAM ..	14, Seaside Road, Eastbourne.

COLONIAL FELLOWS :

HINGSTON, CECIL VICTOR	Chalgrove Cottage, Rottingdean.
JACKSON, NORMAN	7, Lancaster Road, Brighton.

PROBATIONERS :

BUSH, ARTHUR BRINSLEY ..	c/o Powell & Co., The Estate Office, Lewes.
BUSH, DENNIS GEORGE	c/o Powell & Co., The Estate Office, Lewes.
GOLDING, ALAN CHARLES ..	21, High Street, Robertsbridge.
ROBERTS, CLAUDE .. .	15, Mountney Road, Eastbourne.

[STUDENTS :

CLARKE, CYRIL ALEXANDER ..	9, Victoria Terrace, Kingsway, Hove.
COLE, GEORGE CHARLES	Brantwood, Broadbridge Heath, Hor- sham.
FOWLER, CLEMENT HARWOOD	Oakcroft, Cowfold.
GARDNER, GEOFFREY GILBERT	Hendall, Crawley.
MORSE, ARTHUR PERCY	83, Beaconsfield Villas, Brighton.
SMITH, MAURICE GILES	Millfield, Allington Road, Newick.
WEST, ERIC WILLIAM ARTHUR ..	8, Montpelier Place, Brighton.

WARWICKSHIRE.

(Warwick and Worcester Branch.)

FELLOWS :

ABRAMS, JOHN EDWARD	Kirkstall, Kingsheath, Birmingham.
BAGNALL, J. E.	Queen's College, Paradise Street, Bir- mingham.
BAILEY, CECIL HENRY	13, Bennett's Hill, Birmingham.
BAILEY, THOMAS HENRY	13, Bennett's Hill, Birmingham.
BETTRIDGE, JOHN C. L... ..	West View, Stratford Road, Shirley, near Birmingham.
BIGWOOD, ERNEST GUY	158, Edmund Street, Birmingham.
BIGWOOD, ERNEST J.	158, Edmund Street, Birmingham.
BOCKING, THOMAS GEORGE ..	13, Bennett's Hill, Birmingham.

*BOLAM, CHARLES GODFREY.. ..	Dunchurch, Rugby.
BOND, WALTER BENJAMIN	14, Temple Street, Birmingham.
BRAGGE, GEORGE STEPHENSON ..	13, Grove Avenue, Moseley, Birmingham.
COLLINS, LEONARD KEYTE.. ..	1, Newhall Street, Birmingham.
CRAMPTON, ARTHUR WESLEY ..	158, Edmund Street, Birmingham.
CRAPP, F. E.	c/o J. K. Dale, 117, Colmore Row, Birmingham.
DALE, JOHN KIRKHAM	117, Colmore Row, Birmingham.
DAWSON, GEORGE CROSBIE	19, Priory Row, Coventry.
DEAN, WILLIAM	42, Radford Road, Coventry.
FISHER, THOMAS GEORGE	174, Soho Hill, Birmingham.
FAYERMAN ALEC GEORGE PERCY, MAJOR	57, The Parade, Leamington.
FLOYD, ARTHUR NOEL	Messrs. Dixon & Floyd, 83, Colmore Row, Birmingham.
FOWLER, GERARD EDMUND.. ..	Colmore House, 21, Waterloo Street, Birmingham.
*FOWLER, RICHARD.. ..	118, Colmore Row, Birmingham.
FOWLER, WILLIAM	69, Temple Row, Birmingham.
*GILPIN-BROWN, WILLIAM DUNDAS	Wicksted, Blackdown, Leamington.
GODFREY-PATON, WALTER ..	2, Bridge End, Warwick.
HARRIS, ARNOLD ELSMERE	117, Colmore Road, Birmingham.
HAYWARD, FRANK	39 & 40, Temple Street, Birmingham.
HOOTON, LEONARD STANWELL..	10, Northgate Street, Warwick.
JONES, URWICK MEREDITH	Warwick Chambers, Corporation Street, Birmingham.
LAKIN-SMITH, ERNEST	Colmore House, 21, Waterloo Street, Birmingham.
LANCASTER, SIDNEY JAMES ..	Rates Office, Edmund Street, Birmingham.
LEWIS, GEORGE	33, Newhall Street, Birmingham.
*LUDLOW, BRIG.-GENERAL WALTER ROBERT, C.B.	19, Temple Street, Birmingham, and Lovelace Hill, Solihull.
MATHEWS, LEWIS OSLER, M.A. (<i>Cantab.</i>)	12, Waterloo Street, Birmingham.
MILNE, JAMES LOGIE	89, Corporation Street, Birmingham.
O'DONAHUE, THOMAS ALOYSIUS ..	Valuation Department, 18, Bennett's Hill, Birmingham.
PAIN, GEORGE LLOYD	5, Vicarage Road, Leamington.
PEARSE, OCTAVIUS BURROUGHS..	Foxhill, Dyott Road, Moseley, Birmingham.
PINNEY, FREDERICK WYLDBORE DIGBY	6, Waterloo Street, Birmingham.
PINSON, GILBERT	Cobden Buildings, Corporation Street, Birmingham.
*RAIKES, COLONEL GEORGE WHITTINGTON	Woodville, Leamington.
RALPHS, WALTER	880, Coventry Road, Small Heath, Birmingham.

RANDALL, AUGUSTINE ST. GEORGE	District Valuer's Office, Union Street Coventry.
REES, DAN JOHN ARTHUR	Valuation Dep ^t ., Inland Revenue, Bi mingham.
ROWSE, ANTHONY	117, Colmore Row, Birmingham.
SILK, CHRISTOPHER	33, Newhall Street, Birmingham.
SMITH, FRANK	104, Colmore Row, Birmingham.
SMITH, FRANK WILLIAM.. ..	Beauchamp Hill, Milverton, Leamington
SOUTHORN, CHARLES HERBERT ..	38, The Parade, Leamington Spa.
TAIT, WILLIAM IRONSIDE, CAPT.	Roads Department, Central House 75, New Street, Birmingham.
TAYLOR, ARTHUR F.	3, Woodfield Road, King's Heath, Bi mingham.
TAYLOR, FRANK GEOFFREY	8, Montague Road, Edgbaston, Bi mingham.
TAYLOR, GEORGE SYLVESTER ..	Queen's College, Paradise Street, Bi mingham.
TERRY, ARTHUR ELLIOTT	District Valuer's Office, 18, Bennett Hill. Birmingham.
TURNER, FRED WETHERELL	32, Coton End, Warwick.
TYPE, MARCUS OSWALD.. .. .	87, Edmund Street, Birmingham.
WATSON, GEORGE LAWRENCE ...	39, Newhall Street, Birmingham.
WEBB, WALTER WILLIAM	14, Temple Street, Birmingham.
WELSH, HUGH.. .. .	1, Portland Place, Leamington Spa.
WHITLOCK, FRANCIS JOHN	The Mart, Bank Street, Rugby.
WILCOX, FRANK E.	25, Wenman Street, Balsall Heath Birmingham.
WILLIAMS, JOHN LEWIS	47, Temple Row, Birmingham.
*WILLMOT, JOHN	6, Waterloo Street, Birmingham.

PROFESSIONAL ASSOCIATES :

ARCHER, HARRY BARTON	17, Poplar Crescent, Earlsdon Avenue Coventry.
ASH, HORACE JAMES, A.R.I.B.A...	17, Bridge Street, Nuneaton.
ASHLEY, REGINALD WALKER.. ..	13, Bishop Street, Coventry.
AVERY, JOSEPH ALBERT	151, Minstead Road, Gravelly Hill Birmingham.
BALLARD, WILLIAM EDGAR, A.M.I.C.E.	29, Anderton Park Road, Moseley Birmingham.
BINES, THOMAS HENRY	G.D.O., Public Works Department Council House, Birmingham.
BLOORE, HARRY GROSVENOR.. ..	83, Greenfield Road, Harborne, Bir- mingham.
BOAST, CHARLES ERIC	2, Uxbridge Avenue, Binley Road Stoke, Coventry.
BOUNDY, AUBREY EARL	289, Hagley Road, Edgbaston, Bi mingham.

BOWEN, ALEXANDER	37, Cannon Hill Road, Balsall Heath, Birmingham.
BRITTON, BERNARD CHARLES ..	Glendale, Vesey Road, Wylde Green, near Birmingham.
BUNTING, ALFRED HENRY ..	14, Morden Road, Stechford.
BURN-CALLANDER, CUTHBERT ..	The Cottage, Barford, Warwick.
CARNABY, HAMMOND RIDLEY ..	Tirbâch, Cwm Taff, near Merthyr Tydvil.
COALES, HERBERT WALLIS, CAPT., M.C.	Engineer's Office, Cole Hall Sewage Works, Yardley, Birmingham.
COULSON, ERIC JAMES	34, Abbots Road, King's Heath, Birmingham.
CURRALL, EDWARD PERCY	109, Colmore Row, Birmingham.
DAVIES, WILLIAM GWYNNE BATCHELOR	Room 127, Lincoln's Inn, 174, Corporation Street, Birmingham.
DEAKIN, FRANCIS HENRY	243, Hagley Road, Edgbaston, Birmingham.
DRIVER, JOHN ROBERT FARRANT ..	5, Acacia Road, Leamington Spa.
ELKINGTON, CHRISTOPHER GARRETT	Barnt Green, near Birmingham.
ELKINS, CHARLES HENRY	18, The Parade, Leamington Spa.
FIFIELD, HAFFORD EDWIN	192, Trinity Road, Birchfields, Birmingham.
FITCH, JOHN THOMAS.. .. .	45, Smallbrook Street, Birmingham.
FRANCIS, THOMAS JOHN PHILIP ..	Inland Revenue, 57, Colmore Row, Birmingham.
FRAZIER, G. STUART	19, Prospect Road, Moseley, Birmingham.
GLOVER, CECIL MILLER	Daimler House, Paradise Street, Birmingham.
GREEN, FREDERICK SIDNEY	106, Taylor Road, King's Heath, Birmingham.
GREEN, HERBERT FREDERICK ..	79, Princess Road, Edgbaston, Birmingham.
HEDLEY, MICHAEL THOMPSON ..	Canwell, Sutton Coldfield, near Birmingham.
HEDLEY, REGINALD THOMAS FENWICK	31A, Colmore Row, Birmingham.
HINE, STANLEY GORDON	76, Hall Road, Handsworth, Birmingham.
HINGLEY, JOSEPH BLOOMER.. ..	Bank Chambers, Nuneaton.
HOLBECH, NIGEL LAURENCE	21, Bennett's Hill, Birmingham.
HOWKINS, GILBERT	The Elms, Crick, Rugby.
JONES, PERCY BEAUMONT	86, Station Road, King's Norton.
KNAPP, ROBERT ELI	Kineton.
KUPHAL, FRANCIS WILLIAM	15, Russell Road, Hall Green, Birmingham.

MANTON, GEOFFREY CHARLES ..	Maisonette, Church End Road, Yardley near Birmingham.
MIDDLETON, ALAN EDWIN, CAPT. . .	47, The Parade, Leamington Spa.
NEALE, JOHN HUMPHREY	50, Jakeman Road, Cannon Hill, Birmingham.
NEALE, THOMAS ARCHIBALD ..	Southfield, New Road, Water Orton Birmingham
NICHOLLS, CHARLES WILLIAM ..	Estate Office, Ministry of Munitions Holbrook Lane, Coventry.
PERKINS, JOSEPH	86, Willows Road, Balsall Heath, Birmingham.
RAYNER, KENNETH	26, Hamilton Terrace, Leamington Spa
REDFERN, CHARLES FREDERICK ..	c/o Foster and Redfern, 7, Temple Row West, Birmingham.
RYLAND LORENCE	18, Ascot Road, Moseley, Birmingham.
STEEDS, HERBERT EUSTACE .. .	c/o Couchman and Steeds, 75, New Street, Birmingham.
STOPHER, GEORGE	Corbiere, Maurice Road, King's Heath Birmingham.
TAYLOR, ALFRED MOULTON	21, Church Hill, Leamington.
TAYLOR, LEONARD JOE	11, Long Lane, Blackheath, near Birmingham.
VEAL, WILFRED HENRY	174, Showell Green Road, Sparkhill Birmingham.
WILLIAMS, CHARLES	Valuation Department, Inland Revenue, Coventry.
WILLIAMS, TOM LAWRENCE ..	Goshen, Stratford Road, Hall Green Birmingham.
WOOD, HARRY GEORGE	7, Wellington Road, Handsworth, Birmingham.

COLONIAL FELLOW :

STARLEY, BERNARD | 46, Holyhead Road, Coventry.

PROBATIONERS :

DALLOW, LEONARD | 44, Hawes Lane, Rowley Regis, n Birmingham.

MATHEWS' OLIVER LEWIS | 39, Westfield Road, Edgbaston, Birmingham.

STUDENTS :

ADEEB, EMILE	61, Selby Park Road, Birmingham.
COOPER, WALTER DEWHURST ..	Fernhill, Kenilworth.
COTTON, JACK	34, Augustus Road, Edgbaston, Birmingham.
DALE, KENNETH KIRKHAM ..	60, Prospect Rd., Moseley, Birmingham.
LEES, ERIC CHRISTOPHER LINGHAM	18, Jury Street, Warwick.
POWELL, CLIVE DAVID ALLEN ..	40, Woodstock Road, Moseley, Birmingham.

WESTMORLAND.

(Cumberland and Westmorland Branch.)

FELLOWS :

FULTON, EDWIN ALEXANDER, B.SC. (Edin.)	14, Finkle Street, Kendal.
HOGGARTH, ARTHUR	Kendal.
HOGGARTH, LAWRENCE STEELE ..	St. Abbs, Kendal.
PORTER, RICHARD EWHURST, M.C.	Rydal Estate Office, Ambleside.
*PUNCHARD, FREDERICK BURT ..	Fairbank, Kirkby Lonsdale.

PROFESSIONAL ASSOCIATE.

ADAIR, WILLIAM	c/o F. B. Punchard, Underley Estate Office, Kirkby Lonsdale.
GIBSON, WILLIAM GARNETT	The Bungalow, Windermere.
HARDY, ALAN	Grimeshill Estate Office, Middleton, Kirkby Lonsdale.
JACKSON, EDWARD HENRY	Rearsby, Windermere.
VANSTONE, FREDERICK WILLIAM ELLIOTT	Council Offices, Windermere.

STUDENT :

ROWLING, MAURICE	Beechwood, Kendal.
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WILTSHIRE (NORTHERN PART).
(Gloucester, Somerset, and North Wilts Branch.)

FELLOWS :

BISHOP, CHARLES	99, Bath Road, Swindon.
CULVERWELL, GEORGE LANE ..	14, Market Place, Chippenham.
DAVIES, RHYS WILTSHIRE ..	37, Regent Circus, Swindon.
DAYKIN, HARRY	"Elmsley," Trowle, Trowbridge.
FERRIS, GEORGE	Milton Manor, Pewsey.
HOOPER, ALFRED EGBERT ..	10, High Street, Marlborough.
JEANS, MARK	Marlborough.
KNUBLEY, MILES PONSONBY ..	Steeple Ashton Vicarage, Trowbridge.
LLEWELLYN, ARTHUR HENRY ..	Valuation Department, 1B, Castle House, Trowbridge.
MARSHALL, LIONEL HASLER ..	Chippenham.
PARKER, THE HON. CECIL THOMAS	The Grove, Corsham.
PINCKNEY, HENRY CHRISTOPHER ..	Wilts County Council, 7, Fore Street, Trowbridge.
PRITCHARD, HENRY A.	Castle Eaton, Cricklade.
SMITH, CYRIL HERBERT	Chippenham.
WATKINS, ROBERT ARUNDEL ..	Castle Combe, Chippenham.
WHITFIELD, THOMAS WARD ..	Polebarn House, Trowbridge.
YEATMAN-BIGGS, WILLIAM HUYSHE	The Estate Office, Codford S.O.

PROFESSIONAL ASSOCIATES :

BATEMAN, WILLIAM HERBERT, CAPT., M.C., A.M.I.C.E.	Beaumont, Calne.
CUTLER, FRANK SYDNEY	Borough Surveyor's Department, Town Hall, Marlborough.
EDWARDS, ROBERT, CAPT.	Manton Estate Office, Overton, Marl- borough.
ELLIS, THOMAS GWYNNE	35, Wingfield Road, Trowbridge.
HUTTON, GEORGE ROY	Woodrow House, Forest, Melksham.
LEES, RANDLE BURLAM	Woodside, Bradford-on-Avon.
NICHOLS, HEDLEY WILLIAM ..	Fernleigh House, Trowbridge.
PEARSON, GEORGE PARKER	Borough Surveyor's Office, Marlborough.
PUCKRIDGE, PERCIVAL MARTIN ..	Milton, Pewsey.
REID, ALEXANDER EWING	20, Oatmeal Row, Salisbury.
SNAILUM, WALTER WADMAN ..	Church Street, and Wingfield Road, Trowbridge.
STEVENS, HERBERT COOPER	6, Barn Street, Marlborough.
WATSON, CHARLES WILLIAM	39, Clarendon Road, Trowbridge.

PROBATIONERS :

FERRIS, EDWARD HOLLIS ..	| Salthrap, Wroughton, Swindon.
KNAPP, DOUGLAS ERIC JOHN ..	Great Lypiatt, Corsham.

STUDENT :

POCOCK, DENNIS ALFRED	129, High Street, Marlborough.
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WILTSHIRE (SOUTHERN PART).
(Hampshire, Dorset, and South Wilts Branch.)

FELLOWS :

BRIDGES, EDWARD JAMES, LT.-COL., O.B.E., F.R.I.B.A. ..	12, Wilton Road, Salisbury.
CORDEROY, ATHELSTONE	Fisherton House, Salisbury.
*GATER, CALEB WILLIAM	The Grange, Winterbourne, Dauntsey, Salisbury.
PRATT, JERMYN HAROLD	Estate Office, St. Giles, Salisbury.
*RAWLENCE, ERNEST ALFRED ..	St. Andrew's, Churchfield, Salisbury.
*RAWLENCE, GEORGE NORMAN ..	c/o Rawlence and Squarey, Salisbury.
RIGDEN, FRANCIS	Salisbury.
SHORT, ERNEST WILLIAM GEORGE, MAJOR, C.B.E., A.R.I.B.A., S.R.E.S.	R.E. Office, Bulford Camp, Salisbury Plain.
*SQUAREY, NEWELL WILLIAM PITTS	Bemerton, Salisbury.
WOOLLEY, JOHN STANLEY	The Castle Auction Mart, Salisbury.
*WOOLLEY, JOHN TURTON	The Castle Auction Mart, Salisbury.
WOOLLEY, RICHARD MELSOME ..	Salisbury.

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MILES, HANNAM EDWARD	Slades, East Knoyle, Salisbury.
PALMOUR, FREDERICK JOHN CLIFFORD	War Dept., Estate Office, Durrington.
THORNE, ARTHUR PERCEVALE, CAPT.	49, Wyndham Road, Salisbury.
TURNBULL, ROBERT ERNEST ..	Wilton Estate Office, Salisbury.
WATTS, FRANCIS HENRY	Sandleheath, near Salisbury.

WORCESTERSHIRE.

(Warwick and Worcester Branch.)

FELLOWS:

ALLSEBROOK, ARTHUR, B.SC. (<i>Edin.</i>)	Link Elm, Malvern Link.
BARKER, CHARLES	Estate Office, Bournville.
BLOOMER, JOSIAH	19, Priory Street, Dudley.
CHAMBERLAIN, GEORGE ARTHUR RADDON	Whitegates, Enville, near Stourbridge.
CRISP, GEORGE FREDERICK.. ..	Valuation Office, Wells Road, Malvern.
EDMONDS, JOHN NITCHELL	Wood Farm, Malvern Wells, and Worcester Chambers, Pierpoint Street, Worcester.
FIDDIAN, WILLIAM	7, Church Street, Stourbridge.
GROVE, ALBERT	1, Parkfield Terrace, Stourbridge.
JOHNSON, CLIFFORD NOEL	19, Priory Street, Dudley.
JOSELAND, CHARLES	Bank Buildings, Kidderminster.
LANDER, SIDNEY MONTEM, M.B.E.	Valuer's Office, 3, Sansome Place, Worcester.
LANGFORD, EDWARD THOMAS ..	The Land House, Arley, near Bewdley.
LEE, JOHN PINCKE	Croft House, Droitwich.
MILLS, DANIEL.. .. .	3, Sansome Place, Worcester.
MITCHELL, HAROLD HASTINGS ..	Holywell House, Henwick, Worcester.
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RIGHTON, EDWARD GRANTHAM ..	High Street, Evesham.
STALLARD, WILLIAM	St. John's House, St. John's, Worcester, and Worcester Chambers, Worcester.
WALL, JOHN ERNEST	Northcote, Alexandra Road, Malvern.
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CHARLES, MICHAEL THOMAS.. ..	Orchardside, Malvern Link.
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COULTHARD, JOSEPH	Abbagarth, Osbaldwick, York.
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WALES (NORTH).

Containing the Counties of Anglesey, Carnarvon, Denbigh, Flintshire, and Merionethshire.

(Wales (North) Branch.)

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DYKINS, PHILIP LLEWELYN	Pendre, Holywell, Flintshire.
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JONES, EDWARD LLOYD.. ..	Plas-Isa, Rhosymedre, Ruabon, Denbighshire.
*JONES, WILLIAM EDWARD	Anglesey Estate Office, Graig, Llanfairpwll, Anglesey.
LEWIS, PENRY ARTHUR,	Government Buildings, Bangor.
MORE, WILLIAM HENRY.. ..	Crown Lodge, Harlech.
PARKER, G.	Pulford, near Wrexham.
*PORTER, JOHN MERRY	Estate Office, Colwyn Bay.
ROBERTS, JOHN, N.D.A.	Maestegfryn, Towyn, Merionethshire.
YALE, GEORGE FREDERICK CUNNINGHAM	Estate Office, Pwllheli.
WILLIAMS, DAVID JOHN	Ty Newydd, Garn Dolbenmaen, Carnarvonshire.

PROFESSIONAL ASSOCIATES:

AP THOMAS, ROBERT TIBBOT KERRIS	Frohenlog, Menai Bridge, Anglesey, N. Wales.
BARLASS, THOMAS	12, Market Street, Carnarvon.

BOARDMAN, HAROLD WILLIAM	Barmouth U.D.C., Barmouth.
CATHRALL, LEONARD GWILT ..	Brook Villa, Mold.
EDWARDS, DAVID EDWARD ..	9, Talbot Road, Wrexham.
FOSTER, WILLIAM HENRY	Ernina, Gwernymynydd, Mold, Flintshire.
GREGORY, DOUGLAS.. .. .	Buena Vista, Penrhyn View, Colwyn Bay.
HUGHES, WILLIAM DONNE PRICE..	District Valuer's Office, 2, King's Street, Wrexham.
HUGHES, WILLIAM PARRY	Avondale, Menai Bridge, Anglesey.
JONES, OSCAR WYNNE	Minydon, Pwllheli.
JONES, ROLAND THOMAS	Pengwern, College Road, Bangor.
MORE, JOHN NOVIS.. .. .	Crown Lodge, Harlech.
MOSELEY, LEONARD	2, Rhiw Bank Terrace, Colwyn Bay.
OWEN, HENRY THOMAS.. .. .	Ripon House, Barmouth.
OWEN, THOMAS	"Meddiant," Conway.
PARKER, GEORGE	The Elms, Pulford, near Wrexham.
PARKER, HAROLD VINCENT ..	8, Temple Row, Wrexham.
PARKER, ROBERT, CAPT., M.C.	Mostyn Estate Office, Llandudno.
PARRY, DAVID MORRIS	Gwynfryn, Pwllheli.
PIERCE, THOMAS HARLE.. ..	12, Terfyn Terrace, Port Dinorwic.
PRICE, GEORGE STANLEY	Ivy Dene, Rhos-on-Sea, Colwyn Bay.
ROBERTS, JOSEPH NORMAN ..	Brynhyfryd, Ruabon, Denbighshire.
ROGERS, MATTHEW SPENCER ..	67, Church Street, Flint.
WEBB, HUGH VICTOR CARTHORN	Oak Croft, Chirk, Denbighshire.
WHITTINGHAM, LEWIS STUART ..	Killarney, Buttertton Road, Rhyl.
WILLIAMS, MORRIS HUGHES.. ..	Islwyn, Glan Conway.

PROBATIONER :

PORTER, JOHN LAWRENCE .. | Braeside, Colwyn Bay.

STUDENTS :

CADWALADR, JOHN RICHARD .. | Pont-y-Celyn, Rhostryfan, Llanwnda,
Carnarvonshire.
ORTON, WILLIAM KENNEDY .. | Wylfa, Bangor.

WALES (MID).

Containing the Counties of Montgomery and Radnor.

(Salop, Hereford, and Mid-Wales Branch.)

FELLOWS :

EDMONDS, JOHN	Estate Office, Powis Castle, Welshpool, Montgomeryshire.
EVANS, EDWARD ARTHUR, B.SC., A.M.I.C.E.	County Surveyor's Office, Welshpool.
GRANT, JAMES	Glandwr, Llanidloes, Montgomeryshire.
GUNTER, JAMES	Estate Office, Glasbury, Radnorshire.
MORRIS, CLIFFORD	Elmhurst, Welshpool, Montgomeryshire
MORRIS, EDWARD HENRY	Clive Place, Welshpool, Montgomeryshire.
RICHARDS, JOHN	Llwyndern, Welshpool, Montgomeryshire.

PROFESSIONAL ASSOCIATES

CAMPBELL, CYRIL HERBERT	The Cottage, Powis Castle Park, Welshpool.
EVANS, WILLIAM MAURICE	Parkdale, Berriew Road, Welshpool, Montgomeryshire.
HOWARD, EDWARD HUMPHREY	Fronheulog, The Belan, Welshpool.
JONES, EVAN ROBERT PULESTON	3, Greenfields, Welshpool, Montgomeryshire.
LLOYD, FRANK HUMPHREYS	Mansion House, 24, Severn Street, Welshpool.
MACKINTOSH, WILLIAM SMITH	Baileymawr, Penybont, Radnorshire.
ROBERTS, JOHN MEIRION	24, Severn Street, Welshpool, Montgomeryshire.

WALES (SOUTH).

Containing the Counties of Brecknock, Cardigan, Carmarthen, Glamorgan, and Pembroke.

(Wales (South) and Monmouthshire Branch.)

FELLOWS :

ARNOLD, WILLIAM RICHARD	Victoria Chambers, 7 & 8, Oxford Street, Swansea.
BLOSSE, HENRY LYNCH	Worcester Chambers, Swansea.
CHAPMAN, CHARLES ALBERT	101, Connaught Road, Roath Park Cardiff.

*CORBETT, EDWIN WORTLEY

MONTAGU

DAVID, EDMUND USSHER

DAVID LEWIS WOOLLEY, B.A.

(*Cantab.*)

DAVIES, BENJAMIN PRICE

DAVIES, CYRIL FROODVALE

DAVIES, DAVID THOMAS

*DAVIES, JOHN MORGAN

DAVIES, JOHN WILLIAM

SATTERLEY HUMPHREYS

DAVIES, JOHN SIMON

DICKSON, ALFRED ERIC, CAPT. ..

*DRUMMOND, FRANCIS DUDLEY W.,

COL.

EVANS, ARTHUR OWEN

EVANS, SAMUEL

FORESTIER - WALKER, CHARLES

EVELYN

FRANCIS, JOHN, MAJOR, D.S.O.

GRIFFITHS, WILLIAM

GRIFFITHS, WILLIAM THOMAS ..

HERN, SAMUEL

HEWS, THOMAS GREENSLADE ..

HINCHSLIFF, EDWARD ROBERT ..

HOOPER, STANLEY

HUGHES, WILLIAM EDWYN ..

JENKINS, CHARLES HERBERT

BLEWITT

JENKINS, HAROLD JOHN

JENKINS, TREVELLIAN PHILLIPS

JENKINS, WILLIAM DAVID

JEWELL, ARTHUR EDWARD ..

*LEEDER, ERNEST HOLTHAM ..

LLEWELLYN, GEORGE ERNEST ..

MORRIS-DAVIES, JAMES GEORGE ..

OSMOND-SMITH, FRANCIS HENRY

GEORGE, M.R.A.C.

OWEN, THOMAS HENRY RULE ..

PARRY, JOHN OWEN

PASCOE, JOHN BARRON

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4, Park Place, Cardiff.

11, Cathedral Road, Cardiff.

Bryn Awel, Ystrad Mynach, near Cardiff

Ha'dre, Llanwrtyd Wells.

33, Park Place, Cardiff.

Froodvale, Llanwrda, Carmarthenshire.

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56, Morfa Street, Bridgend.

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Carmarthen.

Dale Fort, Dale, Milford Haven.

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port, 18, Dumfries Place, Cardiff.

31, Charles Street, Cardiff.

The Mount, Carmarthen.

Gelley-Wernen Estate, Llanelly, Carmar-
thenshire.

Uplands, Tygwyn Road, Penylan, Cardiff

93, St. Mary Street, Cardiff.

The Laurels, Swansea.

Urban District Council Office, Barry.

Bryngwili, Knoll Avenue, Swansea.

Valuation Office, 7, King Street, Car-
marthen.

3, Orchard Street, Neath, Glam.

4, College Street, Swansea.

St. Elmo, Uplands, Swansea.

Housing Architect, Town Hall, Aberdare.

National Oil Refineries, Ltd., Skewen,
Neath, Glam.

46, Waterloo Street, Swansea.

Bryngarw, Aberkenfig, Glam.

Hafod Estate Office, Devil's Bridge S.O.,
Cardiganshire.

County Council Offices, Cardiff.

High Street, Haverfordwest, Pembroke-
shire.

61, College Street, Ammanford.

5, Richmond Road, Swansea, and Cardigan
Chambers. 6, College Street, Swansea.

PRITCHARD, HERBERT ALFRED, M.B.E.	Valuer's Office, 13, St. Andrew's Crescent, Cardiff.
PUDDICOMBE, WILLIAM PHIPPEN ..	Corporation Offices, Aberystwyth, Car- diganshire.
PUGH-JONES, DAVID	County Architect, County Hall, Cardiff, and Colchester Avenue, Cardiff.
RANDALL, JOHN MORGAN	Dunraven Estate Office, Bridgend, Glam.
RANDELL, FRANCIS WILLIAM ..	Frondeg, Langland, Swansea.
REES, ROBERT THOMAS	Glandare, Aberdare, Glam.
ROBERTS, JOHN HUBERT, CAPT. . .	61, Wind Street, Swansea.
SAMUEL, WILLIAM WILFRID, F.G.S.	5, Beechwood Road, Swansea.
SCOTT, WILLIAM HERBERT	18, Queen Street, Cardiff.
SEEL, ROBERT HAROLD	Theatre Royal Chambers, Cardiff.
STANTIAL, F. C.	Borough Architect's Office, Swansea.
STEWART, MARSHALL SOPHOS ..	28, Fisher Street, Swansea.
THOMAS, ARTHUR LLOYD	23, Gelliwastad Road, Pontypridd.
*THOMAS, ILLTYD	17, Quay Street, Cardiff.
THOMAS, ROBERT ROGERS	36, Bryn Road, Swansea.
WALES, HENRY T.	Prudential Chambers, Castle Street, Swansea.
WALLACE, ANDREW LOGIE	19, Deri Road, Cardiff.
WARD, CHRISTOPHER JAMES ..	Cefn Mably Chambers, 9, Quay Street, Cardiff.
WARE, WILLIAM	6, Pembroke Terrace, Cardiff.
WATTS, DAVID CHRISTOPHER. . .	West House, Cowgate, Glam.
WEBB, CLARENCE ALBERT	110 Cardiff Road, Llandaff, near Cardiff.
WEEKS, ALFRED HENRY	34, Park Place, Cardiff.
WILLIAMS, GERALD GARNONS ..	Ashburnham Estate Office, Burry Port.
WILLIAMS, JOSEPH	9, Roath Court Road, Cardiff.
WILLIAMS, RICHARD ERNEST HAVARD	The Elms, Struet, Brecon.
WOOSNAM, RALPH WILLIAM ..	Cefnllysgwynne, Builth Wells, Brecon- shire.

PROFESSIONAL ASSOCIATES:

ARTHUR, THOMAS BEVAN	54, King Street, Carmarthen.
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BROAD, FREDERIC ARTHUR .. .	3, Prospect Place, Swansea.
BROWN, EGERTON EDWARD MORRIS	89, Windsor Road, Penarth, Glam.
CLARK, PHILIP LOCKHART	28, Lochaker St., Roath Park, Cardiff.
CLARKE, THOMAS GUY	48, Cardiff Road, Llandaff.
COVER, GEORGE WILLIAM	Tirbâch, Cwm Taff, near Merthyr Tydvil.
DAVID, GEORGE WILLOUGHBY, B.A. (<i>Cantab.</i>)	11, Cathedral Road, Cardiff.
DAVIES, JOHN LEWIS	Brondeg, Merthyr-mawr Road, Bridg- end, Glam.

DAVIES, JOHN LLEWELLYN	Town Planning Dept., Council Offices, Barry, Glam.
DAVIS, FRANCIS ROBERT EDWARD	R.N. Airship Station, Milton, Pembroke
DAVISON, PERCY	Estate Office, Wenvoe, near Cardiff.
DOCHERTY, JOHN, JUN... ..	Inland Revenue Office, Adelaide Street, Swansea.
EDWARDS, SPENCER	160, Richmond Road, Cardiff.
EVANS, DAVID... .. .	Agricultural Office, College Street, Lam- peter, Cardiganshire.
EVANS, HENRY MONTAGUE	City Engineer's Department, City Hall, Cardiff.
EVANS, JOHN WILLIAM PERCIVAL	Valuation Office I.R., 7, King Street, Carmarthen.
EVANS, SAMUEL BOWLIE... ..	109, St. Helen's Avenue, Swansea.
EVANS, SIMON	Glyn-Awen, St. Mary's Terrace, Cardi- gan.
EVANS, THOMAS JOHN	Tymaen, Porthcawl, Glam.
FOSTER, RICHARD FRANCIS	Northcliffe, Hakin, Milford Haven.
GRIFFITHS, EDGAR REES	Nicholaston, Clarendon Road, Sketty, Swansea.
HARPUR, FRED... .. .	5, Glanirfon Terrace, Builth Wells, Brecon.
HEAVEN, FRANK HENRY, A.R.I.B.A.	39, Coronation Street, Aberkenfig, Bridgend, Glam.
HODGKINSON, OWEN ALLEN	55, St. Michael's Road, Maesteg, Glam.
HOMFRAY, HERBERT RICHARDS ..	Penllyn Castle, Cowbridge, R.S.O.
HUFFELL, ALFRED CHARLES	Lloyd's Bank Chambers, Windsor Rd., Penarth, Glam.
JAMES, JOEL JENKINS	PantypPhillip, Dwrbach, Pembrokeshire.
JAMES, W. ROWLAND	Doldremont, Quay Street, Carmarthen.
JENKINS, ALBERT HENRY HOPKIN	Blackmill, near Bridgend, Glam.
JENKINS, REGINALD ARTHUR	
BLEWITT	4, College Street, Swansea.
JONES, BENJAMIN THOMAS	Ael-y-Bryn, Tivian Street, Tylorstown, Glam.
JONES, JOHN THOMAS	Bryn Rhigos, near Aberdare, Glam.
JONES, RICHARD LEWIS... ..	Penwenallt, Newcastle Emlyn.
JONES, ROBERT JOHN	35, Grove Terrace, Penarth, Cardiff.
JONES, STANLEY WARREN	9, Queen's Avenue, Porthcawl.
LEACH, STANLEY HUGH	Bridge House, Barrows Road, Skewen, Neath, Glam.
LLOYD, CYRIL HERBERT POWELL	45, Merthyrmaur Road, Bridgend, Glam.
LOVELUCK, EDWARD	33, Park Street, Bridgend, Glamorgan- shire.
MORGAN, DAVID	12, High Street, Treorchy, Glam.
MORGAN, DAVID EDGAR	Glyn Tawe, Vicarage Road, Morriston, Glam.
MORGAN, IVOR WALTER	1, Wellington Place, Brecon.
MORGAN, WILLIAM NOEL	Maesydderwen, Mountain Ash, Glam.

MOWBRAY, CLYDE BERNARD ..	4, South Prospect, Swansea.
MURRAY, PENRY JOHN, CAPT., B.A. (<i>Cantab.</i>)	Cefn Parc, Brecon.
NELSON, ARCHIE	4, Aberlash Villas, Tivydaill, near Ammanford.
PALMER, ROBERT SIDNEY ..	8, Chaddesley Terrace, Swansea.
POWELL, HERBERT WILLIAM JOHN	155, Cathedral Road, Cardiff.
PRICE, THOMAS GEORGE ..	5, Eagle Street, Port Talbot.
PROSSER, ROGER, B.SC. ..	The Elms, Struet, Brecon.
REES, ERNEST JOHN ..	20, Rugby Avenue, Neath.
REES, MORGAN	Penydre House, Neath, Glamorganshire.
RICHARDS, JOHN SYDENHAM ..	3, Trinity Place, Swansea.
RICHARDS, ROBERT HERBERT ..	Dolgwyn, Bryn Road, Lampeter, Car- diganshire.
RICHARDSON, WILLIAM ..	Brynteg, Bryn Road, Swansea.
ROACH, DAVID JOHN ..	8, Gelli Crossing, Ystrad Rhondda, Glam.
ROBERTS, EDWARD THOMAS ..	Llanfair Buildings, St. Mary Street, Swansea.
ROBERTS, MORGAN GRAHAM ..	3, St. George's Terrace, Swansea.
RODERICK, BENJAMIN ..	Ashbrook House, Aberdare.
RODERICK, WILLIAM DAVID ..	Brynhafryd, The Parade, Ton Pentre, Glam.
ROGERS, JOHN	14, St. Alban's Road, Swansea
ROSE, FREDERIC CHARLES ..	Premises Dept., Lloyds Bank, Ltd., 27, High Street, Cardiff.
SAMUEL, RONALD ASTLEY ..	Tanyrallt, Eaton Grove, Swansea, Glam.
SEEL, ROBERT AMYAS ..	Ailsa Craig, Dynas Powis, Glam.
SHEDDEN, EDWARD CLAUDE ..	c/o Messrs. David & David, 11, Cathe- dral Road, Cardiff.
SMITH, EDWIN, A.R.I.B.A. ..	26, London Road, Neath.
STANLEY, GERALD	Queen's Chambers, Cardiff.
STEWART, THEOPHILE LECOMPTE	Cairnsmuir, Llanelly.
SYMONS, CECIL FREDERICK ..	Y.M.C.A., St. Helen's Road, Swansea.
TAYLOR, HAROLD TOM ..	15, Windsor Tee, Uplands, Swansea.
TEASDALE, GEORGE WILLIAM ..	Surveyor's Department, Guildhall, Swansea.
THOMAS, ARTHUR JOHN, M.B.E. ..	Eastfield, St. Thomas, Swansea.
THOMAS, JOHN RODERICK ..	County Surveyor's Department, Haver- fordwest.
THOMAS, THOMAS DAVID ..	182, High Street, Treorchy, Glam.
THOMAS, WILLIAM JOHN ..	12, Glyncote Road, Treorchy, Glam.
WALKER, JOHN WILLIS ..	Bryn-onen, Castleton Avenue, Garden Village, Treherbert, Glam.
WALTERS, WILLIAM DAVID ..	1, Llanfair Road, Penygraig.
WASTELL, CHARLES HEDLEY ..	4, College Street, Swansea.
WATKINS, JOHN OLIVER ..	10 and 11, St. Helen's Road, Swansea.
WATSON, THOMAS	34, Pinewood Road, Swansea.

WHITE, TALIESYN GWYN, CAPT., M.C.	Caecerrig, Pontardulais, Glam. 6, Llanedeyrn Road, Penylan, Cardiff.
WILLIAMS, DANIEL SMITH	Westbury, Plasterton Avenue, Cardiff.
WILLIAMS, HOWARD	Byfield, Clydach, Swansea Valley.
WILLIAMS, THOMAS VICTOR	Caegarw, Court Colman, Bridgend.
YEO, WILLIAM HENRY	Glamorganshire.

PROBATIONERS :

REES, DAVID WATKIN	Bodlondeb, Penybank.
SANDERS, C. F.	14, Conway Road, Cardiff.

STUDENT :

EVANS, IDRIS	Myrtle Grove, 191, Crogan Hill, Barry Dock, near Cardiff.
LEEDER, JOHN GEOFFREY VINER	Mount Pleasant House, Swansea.
LEWIS, CHRISTOPHER ARTHUR GWYNNE	Tirycoed Farm, Glanammon, Carmar- thenshire.
LEWIS, DILWYN	31, Quay Street, Ammanford, Carmar- thenshire.
PROCTOR, JOHN	79, Gladstone Road, Barry, Glam.
REES, EDGAR STUART	32, Convent Street, Wann Wen, Swansea.
SEEL, JAMES ALISTER	Ailsa Craig, Dinas Powis, Glam.
WHONE, WILLIAM ERNEST . .	Aubrey House, Cowbridge, Glamorgan.

SCOTTISH BRANCH.

FELLOWS :

ADDIE, ROBERT	138A, Crown Street, Aberdeen.
AITCHISON, JAMES GRAY	7, York Terrace, Sandyhills, Shettle- ston, Glasgow.
ALLAN, ROBERT	Halfway House, Whitburn.
ANDERSON, JOHN	20, York Place, Edinburgh.
ANDERSON, ROBERT	Property Agent, 95, Bath Street, Glasgow.
BALLANTYNE, JAMES ROGERSON	2, Montgomerie Terrace, Mount Florida, Glasgow.
BARR, JAMES	221, West George Street, Glasgow.
BARR, ROBERT IRWIN	221, West George Street, Glasgow.
BARRY, GEORGE SMITH	District Surveyor, 18, Wellington Sq., Ayr.
BAXTER, JOHN	243, St. Vincent Street, Glasgow.
BEATTIE, GEORGE LENNOX	5, Lauriston Gardens, Edinburgh.

BELL, ANDREW WALKER.. .. .	22, Ainslie Place, Edinburgh.
BINNIE, THOMAS	207, Hope Street, Glasgow.
BLAIR, ALEXANDER.. .. .	9, Wemyss Place, Edinburgh.
BLAIR, THOMAS	Hoprig Mains, Gladsmuir, Haddingtonshire.
BROWN, CHARLES	Kerse Estate Office, Falkirk, Stirlingshire.
BROWN, FRANCIS DANIEL	65, Bath Street, Glasgow.
BROWN, JAMES.. .. .	11, Melrose Gardens, Kelvinside, Glasgow.
BROWN, WILLIAM	63, John Street, Glasgow.
BRYDEN, CHARLES JOHN BAXTER..	Afton, Milngavie, Dumbartonshire.
BURNET, FRANK	180, Hope Street, Glasgow.
CAMERON, ANGUS	Seafield Estates Office, Elgin.
CANCH, THOMAS RICHARD	Park View, Forres, N.B.
COLES, WALTER GEORGE.. .. .	Board of Agriculture for Scotland, 29, St. Andrew Square, Edinburgh.
CONNOR, GEORGE HARRY ADAMS	Estates Office, Longniddry, Haddingtonshire.
CONSTABLE, GEORGE WILLIAM ..	Traquair Estate Office, Innerleithen.
CRAWFORD, ANDREW RENNIE, LIC.R.I.B.A.	Land Valuation Office, 249, George Street, Glasgow.
CRONE, WILLIAM MURRAY	65, West Regent Street, Glasgow.
CUNNINGHAM, ROBERT	65, Morningside Drive, Edinburgh.
CURRIE, ARTHUR LORIMER	192, Ledard Road, Langside, Glasgow.
DAKERS, EDWARD JOHN WILLIAM	Blairard, Fotheringham Road, Ayr.
DARLING, JOHN	25, Pitcullen Terrace, Perth.
DAVIDSON, CHARLES	Terrace Buildings, Paisley, Renfrewshire.
*DAVIDSON, JAMES INGLIS	Saughton Mains, Corstorphine, Midlothian.
DAVIE, ALEXANDER.. .. .	7, Herries Road, Pollokshields, Glasgow.
DAWSON, ROBERT ALEXANDER ..	The Farm, Gordon Castle, Fochabers.
DRON, ROBERT WILSON	11, West Regent Street, Glasgow.
FAULDS, WILLIAM CLARK	183, Great Hamilton Street, Glasgow.
FRASER, GEORGE JOHN JAMES HAMILTON GORDON	7, Glencairn Crescent, Edinburgh.
FRASER, WILLIAM	209, St. Vincent Street, Glasgow.
FREW, DAVID LANDALE.. .. .	45, Hope Street, Glasgow.
FREW, GORDON THOMSON	216, West George Street, Glasgow.
GARRIOCH, JOHN T.	Croyard, Beaulieu, Inverness.
GEDDES, CHARLES DAVID	21, Young Street, Edinburgh.
GEMMELL, JOHN	10, St. Andrew Square, Edinburgh.
GILCHRIST, JOHN	81, Hope Street, Glasgow.
GLEN, JAMES	Ashfield, Park Place, Stirling.
GORDON, ALEXANDER WILLIAM ROBERT	Queensgate, Inverness.
GRANT, HERBERT MITCHELL.. ..	"Bengarth," Blairgowrie, Perthshire.
GRAY, JOHN	Coningsby Place, Alloa.
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HAMILTON, CHARLES	Lawrieston, Falkirk.

HAMILTON, JAMES ALEXANDER	Headquarters, Scottish Command,
FREDERICK HENRY, MAJOR	Edinburgh.
HAMILTON, JOHN COCHRANE ..	53, Hanover Street, Edinburgh.
HAMILTON, THOMAS WELSH.. ..	Mansion House, Greenock.
HARKNESS, JOHN	Dryburgh, Racecourse Road, Ayr.
HART, JOHN	Cowie Mains, Stonehaven, Kincardineshire.
HENDRY, ROBERT	Southcroft, Thornliebank, near Glasgow.
HORSBRUGH, CHARLES EDWARD ..	Blairqutrosh, Blanefield, Glasgow.
HUGHES, THOMAS HAROLD, CAPT.,	
F.R.G.S.	27, Ashton Terrace, Hillhead, Glasgow.
HUME, JOHN	30, Eastfield, Joppa, Edinburgh.
INGLIS, ROBERT	Old Blair, Blair Atholl, Perthshire.
INGRAM, CECIL WALTER.. ..	100, Princes Street, Edinburgh.
JARVIE, WILLIAM	Bothwell Collieries, Bothwell.
JOHNSTON, ROBERT WILLIAM,	
MAJOR	211, Union Street, Aberdeen.
JOHNSTONE, JAMES.. .. .	Mereworth, Prestwick, Ayrshire.
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LAIDLER, GEORGE	Strabane, Brodick, Isle of Arran.
LIGHTBODY, FORREST HAY	53, Queen Street, Edinburgh.
LOGAN, JAMES.. .. .	Coltness, Wishaw, Lanarkshire.
LORIMER, ALLAN AITKEN	47, Overgate, Dundee.
MACAULAY, JAMES	37, St. Vincent Crescent, Glasgow, N.
MCBEATH, DAVID KEIR	Broxwood, Sandbank, Argyllshire.
MACCALLUM, ALEXANDER DUNCAN	2, Ethel Terrace, Mount Florida, Glasgow.
McHARRIE, STAIR	Rephad, Stranraer, Wigtownshire.
MACKAY, DAVID MEIKLE	189, St. Vincent Street, Glasgow.
McKIE, HENRY BANNERMAN	Freeland, Bishopston, Renfrewshire.
MACKINTOSH, JOHN	Architect's Department, H.M. Prison
	Commission for Scotland, Edinburgh.
McLAREN, JOHN THOMAS	The Leuchold, Dalmeny Park, Edinburgh.
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	burgh.
MAKINS, JAMES VINCENT	30, George Square, Glasgow.
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MANN, CHARLES	51, Albert Square, Dundee.
MARWICK, THOMAS PURVES	43, York Place, Edinburgh.
MATHER, JAMES	Revelston Bank, Blackhall, Midlothian.
MICHIE, DAVID KINLOCH	Elderslie Estates Office, Renfrew.

MIDDLETON, JAMES.. .. .	Estate Office, Braehead, Kilmarnock.
MILLAR, ALEXANDER WALKER ..	37, Frederick Street, Edinburgh.
MILLER, WILLIAM MITCHELL.. ..	12, St. Andrew's Square, Edinburgh.
MITCHELL, GEORGE BENNETT, M.B.E.	148, Union Street, Aberdeen.
MURDOCH, ROBERT.. .. .	91, Maxwell Road, Glasgow.
*MURRAY, JOHN CAMPBELL	Pollok Estates Office, 120, West Regent Street, Glasgow.
MURRAY, JOSEPH	Camperdown Estates Office, Dryburgh, Lochee, Forfarshire.
MURRAY, WILLIAM WATSON ..	Catter House, Drymen, Stirlingshire.
NEILL, HUGH	87, Union Street, Glasgow.
PARK, ALEXANDER.. .. .	175, Hope Street, Glasgow.
PATERSON, JOHN SALMON	Valuation Department, Blackfriars House, Perth.
PEARSON, JAMES MONTGOMERIE ..	51, John Finnie Street, Kilmarnock.
PHILIP, WILLIAM WATT	Lee & Carnwath Estates Office, Cart- land Mains, Lanark.
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SCOTT, CRAWFORD ALLEN	Estate Office, Bearsden, Dumbartonshire.
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50, The Avenue, Ealing West, W.13.

Mount Royal, Banbridge, Co. Down.

2, St. Andrew Street, Dublin.

36, Arthur Street, Belfast.

Rosslane Co., Sligo.

Donaguile House, Castlecomer, Co.
Kilkenny.

16, Lavender Gardens, Lavender Hill, S.W.

HARKNESS, WILLIAM ALFRED ..	c/o Mrs. McDonnell, King's Square, Fermoy, Co. Cork.
HARVEY, JAMES MOREWOOD.. ..	Creglorne, Londonderry.
McCANN, FELIX CHARLES	c/o Messrs. Montgomery & Son, 2, Wel- lington Place, Belfast.
MARRIOTT, WILLIAM MASON ..	The Manor School, Fermoy, Co. Cork.
MARTIN, WALTER RIDDELL	Roebuck Grove, Clonskea, Dublin.
MOLONY, WILLINGTON	38, Waterloo Road, Dublin.
MONARD, STANLEY HOPKIRK ..	10, Donegal Street, Belfast.
MONTGOMERY, CECIL VINCENT	43, Upper Beechwood Avenue, Rane- lagh, Dublin.
MOORE, HUGH ARMYTAGE	Rowallane, Saintfield, Co. Down.
SHERIDAN, WILLIAM	9, Roe Street, Cliftonville, Belfast.
STEPHENSON, CHAMBRE CORCOR	
STILLINGTON	Corcastle, Innishannon, Co. Cork.

PROBATIONER :

BALMER, JAMES BRYCE	3, Farnham Road, Bangor, Co. Down.
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STUDENTS :

McAULAY, BRUCE	Moyleen, Deramore Park South, Belfast.
RICE, GEORGE ALBERT	36, Orwell Park, Dartry Road, Dublin.
TUDOR, CECIL WILLIAM	216, Upper Newtownards Road, Bloom- field, Belfast.

ENGLISH MEMBERS RESIDENT IN IRELAND.

FELLOWS :

HALL, AUGUSTUS WILLIAM .. ..	| Valuation Office, 6, Ely Place, Dublin.
HOPKINS, PERCY RAYNES	6, Ely Place, Dublin.
JARVIS, LAURENCE ALFRED	General Valuation Office, Dublin.
LIGHTBOWN, ALFRED STUART ..	General Valuation Office, 6, Ely Place, Dublin.
LISNEY, HARRY	6, Ely Place, Dublin.
MILLS, ARTHUR ERNEST.. ..	General Valuation Office, 6, Ely Place, Dublin.
ROGERS, ARTHUR MECHELEN,	
MAJOR, S.R.E.S.	R.E. Office, Fermoy.
WILKINSON, PERCY MACDONALD..	General Valuation Office, 6, Ely Place, Dublin.
WOOD, HUGH REGINALD	6, Ely Place, Dublin.

PROFESSIONAL ASSOCIATES :

BOLLAM, MAX	Bessborough Estate, Belline, Piltown. Co. Kilkenny.
GRAY, JOHN BYWELL	Room 14, 3rd Floor, Mayfair, Belfast.
HALL, HERBERT WILLIAM, A.M.I.C.E.	Assistant Engineer, B. & C. D. Railway Queen's Quay, Belfast.
HAZLETT, JOHN JOSEPH.. .. .	Estate Commission Office, Upper Mer- rion Street, Dublin.
LEONARD, EUGENE	6, Day Place, Tralee.
ROBERTSON, LAWRENCE GEORGE	Inspector of Works, R.E. Mess, Limerick.
SEARLE, GILBERT ODELL	Glenmore House, Lambeg, Lisburn.
WILKES, GEORGE THOMAS	Post Office House, Kildare.

ISLE OF MAN.

DOUGLAS.

Fellows :—

Kerruish : William Maltby.
Teare : Joseph Ernest.

Professional Associate :—

Shimmin : William Alfred.

Students :—

Davidson : Alexander John.
Kennaugh : Thomas Hudson.
Quayle : Wilfrid Taggart.
Smith : Joseph William.

LONDON BRANCHES.

NORTH WEST LONDON BRANCH.

Comprising the Boroughs of Hammersmith, Hampstead, Islington, Kensington, Paddington, St. Marylebone, St. Pancras, and Holborn, with so much of the City of Westminster as lies north of a line running from the City Boundary along the Strand, Pall Mall, St. James' Street, Piccadilly, Knightsbridge, and Kensington Gore, to the Kensington Borough Boundary.

FELLOWS.

Adkin, Benaiah Whitley
Allsop, Benjamin George Kidston
Babbs, Ernest Richard
Baker, S. C.
Ball, James Robert
Ball, William Alfred
Bamford, Walter Herbert
Bare, Thomas Edwin
Barrett, James
Bedells, Charles Herbert
Bedford, Charles Edgar
Bennion, Arthur Strachan
Bentley, Harold Edwin
Bingham, Frederick Henry
Binns, Henry William
Bird, Walter
Blois, Basil Frederick
Blount, Edwd., Lt.-Col., C.B.E.
Bolden, John Leonard, M.A.,
C.V.O.
Booth, Gilbert William
Boulting, Frederick Edward
Bowes, Charles
Bowler, Walter John
Boyd, John Jermyn
Boyton, Sir James
Brickwell, Alfred James, C.B.E.
Brighten, Claude William, O.B.E.
Brocklehurst, Richard Greaves
Brooks, Charles William,
A.R.I.B.A.
Brown, Harold Blumfield
Brown, Rupert B.
Brown, William Blumfield
Buckland, Henry Duneau
Buckland, Sidney Crawford
Buckley, Cyril Hugh
Budgen, William Harold
Burkett-Smith, Cecil Sydney
Burton, Gilbert H.
Callinan, Patrick
Carnegie, John William Percy

Chesterton, Sidney James, M.B.E.
Chesterton, Sidney Rawlins
Chew, Henry Victor.
Child, Fred
Clark, Samuel
Clevely, F. J.
Coates, Laurence Calvert
Cobb, Hy. Fredk., Lt.-Col., C.B.E.
Cobb, Herbert Mansfield, C.B.E.
Collingham, John Cyril Lees
Conde, Cecil James
Conquest, Claude Duncombe
Cooper, Arthur John.
Cooper, Harry Thomas
Cooper, John Robert
Cope, Henry James
Crampton, Arthur Wesley
Cronk, Charles Tyle
Crosher, Wm. Samuel, M.B.E.
Cubitt, Harry
Cullen, Felix Victor
Culliford, Leonard Arthur,
A.R.I.B.A.
Cutler, George Alfred
Dadson, Reginald Thornton,
O.B.E.
Dampney, Cyril John
Dash, Roland Ashford
Davis, Arthur Henry
Davson, Alan Warburton
Debenham, Frederic Kersey
Doll, Chas. Fitzroy, F.R.I.B.A.
Drake, Frank Arthur
Driver, Arthur Charles
Durbridge, Ernest
Eachus, Chas. Alfred Eedes
Earle, John Wilfrid
Eiloart, Ferdinand Robert
Eiloart, Frederick Edward
Elgood, Frank Minshall, O.B.E.,
F.R.I.B.A.
Ellis, Alfred Cave
Ellis, Frederick
Elsworthy, John Gordon
Elwell, William Henry
Evans, Alfred Richard
Evans, Montagu, Capt., M.C.
Eve, Charles Gerald
Fagg, Edwin William
Fidgen, W. F.
Fleuret, Alfred Harman
Flint, Wm. Hurst
Ford, Lawton Robert
Foster, Edwd. Chas.

LONDON BRANCHES—*continued.*

- Foster, Hy. Oswald
 Foster, Wm. Fredk.
 Francis, Leon Albert
 Francis, Leon Alfred John
 Francis, Reginald Herbert
 Freeman, Archibald Francis
 Freyberg, Herbert, M.S.A.
 Funnell, Horace Denston
 Garrard, Arthur Norman
 Garrood, Thos. Wm. M.
 Gate, Alfred Joseph
 Gate, Hy. Arthur Armytage
 Giddy, Osman Horton
 Gillett, Edwd. Bailey
 Gimson, Allen
 Glasier, Edwd. Brougham
 Goodwyn, Leonard Wm.
 Gott, Ralph Edgar
 Green, James Hy. Townsend
 Griffith, Frank Stanley
 Grover, Arthur
 Groves, Arnold Tudor
 Gurney, Fredk. George
 Hadden, Harry Harold
 Hadland, Gilbert Henry
 Harding, Chas. Reginald, Major
 Harper, Sir Edgar Josiah
 Harris, Edwd. Charles
 Harrison, Leonard Charles
 Haydon, Reginald Ernest
 Hayward, William Hansell
 Head, Harold George
 Head, John George
 Higgins, George
 Hine, Ernest Daryll
 Hingston, Frederic William
 Hodgson, Harry Moore
 Horne, W. Edgar, M.P.
 How, Herbert
 Howard, Edmund
 Hughes, Henry, O.B.E.
 Hunt, John, F.R.I.B.A.
 Hunter, James Douglas
 Ibbetson, Thomas Henry
 Jacob, Louis, A.R.I.B.A.
 Jarmain, William
 Jennings, Fitz Laurence Percival
 Dudley
 Johnston, Reginald
 Jonas, Harold Driver, O.B.E.
 Jonas, Harry Marshall, C.B.E.
 Jonas, Henry
 Jones, Ernest Joel
 Jones, Henry Arthur
 Jones, John Fox
 Josling, Ernest George Arthur
 Kennard, Laurence
 Kennedy, Richard Percival
 Kenwick, George
 Kerr, J. Scott
- Killick, Anthony Edward
 King, Harry E.
 Kisch, Augustus Maitland
 Kislingbury, Arthur Vernon
 Knight, George Edwd.
 Knowles, Joseph Bertram
 Laird, Daniel Maclelland
 Lake, Cuthbert
 Lambert, Godfrey Charles
 Lansdown, Harold
 Latham, Albert Tummons
 Latter, Charles William
 Lawrance, John, Junr.
 Lawrance, Walter
 Lawrence, William Robert
 Leaning, Aubrey Rupert Sidney
 Leaning, Henry John
 Leaning, Wm. Arthur
 Lee, John Wilfrid
 Lofting, John Brien
 Lofting, J. W.
 Lofts, Henry Fairlam
 Lucas, John Clay
 Luker, Dyneley
 Lynam, R. B.
 McEwen-Waghorn, Arthur E.
 Mallett, John Graham
 Mann, Charles John
 Mann, Robert Bagshaw
 Markham, Christopher Wm.
 O'Leary
 Marsh, John Wilton
 Martin, Harrison
 Martin, Samuel
 Martin, Victor Callingham
 Maskell, Reginald
 Mason, Chas. Wm. Hayley
 Matthews, Douglas Samuel
 Matthews, Maurice Kershaw
 May, William Stokes
 Messenger, Henry
 Middleton, Reginald Empson,
 M.I.C.E.
 Miller, John Joseph, A.R.I.B.A.
 Moody, Thomas James
 Moore, Ernest Llewellyn
 Moore, Harold Edward
 Morgan, Thos. Edwin
 Motion, Sidney Herbert
 Mundell, Joseph Edwd. A.R.I.B.A.
 Murray, John, F.R.I.B.A.
 Myers, Legender William
 Nash, George Perry
 Neighbour, Wm. Francis
 Newborn, Chas. Reginald
 Newman, Samuel Frank
 Newmarch, Henry Charles
 Nicholson, Guy Murray
 Nixon, Ernest Dermot
 Norman, Chas. Fredk.

LONDON BRANCHES—*continued.*

Norman, Herbert John
 Oakley, Sir John Hubert
 Orgill, John Berwick
 Orpen, Alfred
 Paine, Sydney A.
 Parker, Archie Montgomery
 Parker, Charles Alfred
 Parkhouse, Samuel
 Parry, Richard, B.Sc., A.M.I.C.E.
 Parsons, John Douglas
 Paull, Alan
 Peebles, Joseph
 Pease, Charles Edwd.
 Pilditch, Sir Philip Edwd., M.P.
 Pinder, Richmond
 Platt, John Crawford
 Potter, Herbert George
 Pridmore, Arthur Stirling
 Prower, Ernest E.
 Purchase, Edward Keynes
 Rex, Francis Herbert
 Richardson, Ernest Edward
 Rider, Sydney Franklin
 Ridout, Harold
 Roberts, Charles Quincey
 Robertson, Clement Albert
 Robins, Philip Seymour
 Robinson, Henry Herbert
 Robinson, Parker
 Rogers, Frederic James
 Rogers, Montagu Stanley
 Roods, Alfred
 Rookwood, Joseph
 Roper, Robert Garwood
 Ruault, John Gustave Peter
 Rushworth, Edmund Walter
 Sainsbury, William Charles
 Sanders, Robert Massy Dawson
 Saunders, Arthur Percival
 Saunders, Chas. Herbert
 Saunders, Frederic
 Savill, Sir Edwin, O.B.E.
 Savill, Henry Norman
 Sayer, Harvey Robert, A.R.I.B.A.,
 A.M.I.C.E.
 Sexton, Geo. Alexander
 Shackle, Edwd. Neild
 Shephard, Joseph Ernest
 Showers, Francis William
 Skrimshire, Samuel
 Slade, Arnold
 Slater, James Dench
 Smalley, Wm.
 Smart, James
 Smith, Edward.
 Smith, Henry
 Smith, Sidney
 Smith, Sydney Arthur
 Solomons, Ernest Albert
 Sprague, A. J. H.

Spyer, George, O.B.E.
 Standen, Arthur Carnegie
 Stevenson, Frederick John
 Stone, Edward Albert
 Strachan, Charles John
 Sutton, Frederick Stanley
 Tanner, Arthur Ralph
 Tanner, Sir Henry, C.B., I.S.O.,
 F.R.I.B.A.
 Tapp, William Henry, Capt., M.C.
 Tarrant, Henry George
 Theobald, John Meadows
 Thomas, Charles John Howell
 Thorne, Edward Alexander
 Trafford, Frederick Charles
 Trehearne, Alfred Fredk. Aldridge
 Treppin, Ernest C.
 Trumper, John Alfred
 Tyser, Grafton Leslie
 Varndell, Chas. Edwd., F.R.I.B.A.
 Venning, Harry John, A.R.I.B.A.
 Vine, Wilfrid Gordon
 Waggett, Thomas Frederick
 William
 Waite, Donald Mowbray
 Walsh, Frederick Leopold Morfee,
 Capt.
 Walsh, Frederick William
 Walters, The Rt. Hon, Sir John
 Tudor, M.P.
 Ward, John C.
 Warmington, Herbert Andrew
 Watkins, John Hugh
 Watson, Frederick Percy
 Webber, William Henry
 Webster, George A.
 Wells, Sir Wm. Henry
 West, Chas. Henry Edward,
 F.R.G.S.
 West, Herbert James
 Whiddington, Stanley Dunford
 Whitaker, Ernest Victor
 Wilks, Clement
 Williams, Wm. Herbert
 Wise, Fredk. John
 Wood, John Daniel
 Woodward, Wm., F.R.I.B.A.
 Wylie, Ernest Avery
 Young, Morgan Henry
 Young, Sidney Michael
 Young, Thomas

PROFESSIONAL ASSOCIATES.

Adkin, Benaiah Colson
 Allen, Harold Colin
 Allison, Wm.
 Bagnall, Edward George
 Baker, Alfred James
 Baldwin-Wiseman, Wm. Ralph,
 M.S.C., F.G.S., A.M.I.C.E.

LONDON BRANCHES—*continued.*

Barron, Sidney Norman, Capt., R.E.	Falkner, Frank Ninus
Bartram, Ronald	Farrer, John Camplin
Bates, Arthur Roger Albert	Finch, George Frederick
Beard, Philip Arthur Edgar	Fleming, Herbert Sidney
Beck, Herbert Edgar	Fleury, Francis George
Bedells, Herbert Sydney Grafton	Ford, C. Graham
Bird, Augustus Gordon	Foster, Walter
Bird, Stanley Parker	Frearson, Thomas Bingley
Bishop, Horace Stanley Charles	Frey, Henry
Blessley, Victor Henry	Furber, Henry Aubrey
Boden, Maurice	Gardner, Cecil Arthur
Boston, William Thomas	Gifford, Maurice Claude Melville
Boyton, Frank Alric	Gilbert-Lodge, Leicester James
Bradford, Daniel	Garfield
Brown, William Edward	Gillett, Sidney Eric
Brown, Wm. Lobin Trant	Golby, Robert Edmund
Buckley, Cyril Hugh	Gore, William Joll
Buckmaster, Herbert Hambleton	Goulder, Arthur Christopher
Burkitt, Cecil	Gray, James Arthur
Buss, Fleetwood George William	Green, Samuel Leroy Townsend
Butler, Thomas Lionel	Gurney, William Francis
Caton, Thomas Linfield	Hadden, Frederick William
Chapman, Donald Le Cronier	Hall, Montague Preston
Chapman, Oscar Allen, Capt.	Hamilton, Edward
Chew, Percival Thomas	Hammond, George Addison
Chew, Richard, Major	Harding, Frederick Allcroft
Church, Geoffrey Redmore	Hardman, Edgar Austin
Clark, Charles Fowler	Hay, Cuthbert Joseph Capt.
Clark, Cuthbert Harvey	Hayward, Joseph
Clark, Herbert	Heeley, Hixon Harry
Clark, Sidney	Heeley, Joe
Clinch, E. A.	Heeley, Norman
Close, Hubert John	Henson, Frederick Jasper
Coffin, Bertram Gilbert	Hewett, Frank Charles
Coigley, Harold Richard	Hicks, Stanley
Coker, Ralph Hector	Hicks, Stanley Vvyvian
Cooke, Frederick Roper	Hockley, George William
Cooper, Bertie	Hodgson, Stanley Beniams
Cope, William George	Hoggarth, Wm. Edward Thomas
Corble, Archibald Harrison	Holiday, William Garnet
Cossins, Charles George	Holt, W. J.
Coucher, Alfred Edwin Reneson	Howell, Ernest John
Cowley, Ernest Robert	Hughes, Basil, A.R.I.B.A.
Cox, Douglas Harold	Hughes, Leslie
Cox, Norman Wilkinson	Hughesdon, Gerald Edward
Crook, Hollis Augustus	Jonas, Harry Carter
Croser, A. W.	Jonas, Samuel Marshall
Cross, Pembroke Henry Cockayne	Jones, Gerald Francis, O.B.E.
Cubitt, Ernest James	Jones, Ronald Kelsey
Cubitt, Horace Wm., A.R.I.B.A.	Keay, Raleigh William McLaren
Curtiss, Edward Herbert	Keen, Arnold Grey
Dash, Royden Englefield Ashford	Keen, Arthur Auger
Davidson, George Spencer, D.S.C.	Kelleway, Herbert Davies
Davis, Albert John	Kelly, Arthur Ralph
Davies, Arthur	Kendon, David Gildersleve
Davis, Francis Robert Edward	King, Frederick Augustus
Donn, Albert	King, Herbert Walter
Dunnage, Gerald Eckett	King, Noel Ward
Edgson, Walton Stanley	Kirby, Carl Frederick George
Evans, John Edgar Vaughan	Lamb, Charles Alfred

LONDON BRANCHES—*continued.*

Langdon, Horace William
 Lansdown, George Arthur,
 F.R.I.B.A.
 Larkin, Richard Webster
 Lawrence, David Malcolm
 Line, Frederick James
 Lodge, Arthur Frank
 Lovell, George Raymond
 Mackenzie, Hector John Maxwell
 Maile, Sydney Herbert
 Marsden, Horace John
 Marsh, Ernest George
 Maslen, Thomas Patrick Vincent
 Maxwell, Herbert William
 Merrett, Arthur Saywell
 Mills, Basil Rupert
 Moody, Herbert Line
 Morgan, Ernest William
 Mumford, Frank Septimus
 Newbery, George Herbert
 Odell, John Frederick
 Orr, Robert
 Parker, Frederic William
 Patten, Alan Stewart
 Pattinson, Jeffrey
 Pearce, Charles Frederick
 Pettett, Herbert Charles
 Pewtress, Herbert Wilmshurst
 Pilditch, Philip Harold
 Prior, Gordon Stewart
 Purry, Ernest Stephen
 Puzey, Sidney Theodore
 Quirke, Raymond Fitzwilliam
 Rampton, Percy William
 Ransom, Thomas Reginald
 Reed, Stanley Gordon
 Rex, Francis Nicholson
 Richardson, Ernest Gilbert
 Richardson, William Edward
 Ringland, William Ewart
 Rippon, Herbert
 Rivers, Frank Wilfred
 Roberts, Charles Minto
 Rose, Sydney George
 Rossiter, William Clark
 Ruthen, Ernest Sidney
 Rutherford, Alexander Kirkwood
 Ryan, Bernal John, Capt., M.C.
 Ryan, John A., A.M.I.C.E. (Ireland)
 Savill, Edwin Lydall
 Scanlan, William Henry
 Scott, Albert Clarke
 Seabrook, Ernest Carden
 Selby, Frank
 Sheppard, John Mortimer
 Shiner, Lawrence Alexander David
 Slipper, Reginald Owen
 Smith, Arthur Kitson
 Smith, Walter Daniel

Souray, Edwin Guy
 Spink, James
 Stokes, Edgar Edward
 Stower, Joseph
 Sturt, Leslie
 Summerfield, Joseph Charles
 Sykes, Cyril
 Symes, William Charles
 Taylor, John Francis White
 Thompson, Henry Clarence
 Thompson, Joseph Atherden
 Thomson, Herbert D.
 Thorpe, Raymond William
 Tickle, Ronald Glenn
 Tidey, Herbert Gordon
 Timbs, Arthur Claude
 Tivendale, Thomas
 Todd, Benjamin Joseph Graves
 Tomkins, Hugh C.
 Trollope, Robert John
 Tyler, William Bott
 Waggett, Cyril Frederick Wm.
 Wallis, Austin Serjeant
 Walters, Percy Thomas
 Waters, Ivor Arthur.
 Watt, Sydney Charles
 Wheeler, Reginald Harry
 White, Roynon Hansford
 Wildman, Herbert Robinson
 Williams, John Pritchard
 Williams, Peter Lloyd Armstrong
 Williams, Richard John
 Willmott, James Perceval
 Willoughby, Charles Albert
 Willoughby, Charles William
 Wintle, Arthur
 Woodroffe, Norman Frederic
 Woolf, Emanuel
 Yates, Wilfrid Archibald
 Yorke, Maurice Francis
 Youngs, Sidney

ASSOCIATE.

Clarke, Sir Ernest

COLONIAL FELLOWS.

Burstal, Arthur Cyril
 Sanders, Francis Leonard

PROBATIONERS.

Davis, Romney R.
 Nicholls, Phillip Claude
 Norris, Harold Moseley
 Stones, Charles Edgar

STUDENTS.

Cheney, William Stanley
 Hoddy, Albert Arthur Victor
 McCabe, Arthur William

LONDON BRANCHES—continued.

Mann, John Robert Bagshaw
 Rubens, Alfred
 Spiller, Ernest William
 Todd, John Thomas
 Winterton, Reginald Kern

**SOUTH WEST LONDON
BRANCH.**

Comprising the Boroughs of Battersea, Chelsea, Fulham, Lambeth, Southwark, and Wandsworth, with so much of the City of Westminster as lies south of a line running from the City Boundary along the Strand, Pall Mall, St. James' Street, Piccadilly, Knightsbridge, and Kensington Gore, to the Kensington Borough Boundary.

FELLOWS.

Addiscott, Henry Hugh
 Allpress, Horace Edward
 Arnall, George
 Bacon, Frederick Joseph, C.B.E.
 Banks, John William
 Barber, Harry Percy
 Bare, Robert George
 Barker, Horace Richard
 Barnes, Harry, M.P.
 Batterbury, Norman Boniface
 Baylis, Albert Edward
 Baynam, Edmund Christopher
 Beale, Robert J., A.R.I.B.A.
 Belfrage, James Herbert,
 A.R.I.B.A.
 Bellingham, Archibald Turner
 Bennison, Rowland Edward
 Berry, Charles Windsor
 Betenson, Frederic Roger
 Bevan, Roland Stanley
 Bolam, Charles Godfrey
 Bonds, Joseph Arthur
 Boxall, Arthur Burgess
 Bressy, Chas. Herbert, Lt.-Col.,
 O.B.E.
 Briant, Bernard
 Briant, Robert
 Brighton, George Lawrence
 Brown, Alexander Burnett
 Brown, Clarence
 Brown, George Turville
 Brown, Leonard
 Brown, Norman Ernest
 Brown, Reginald, M.B.E., M.I.C.E.,
 M.I.M.E.
 Brown, Westgarth Forster
 Browne, Hugh Gillespie
 Buller, Francis Charles
 Bunn, H. L.
 Burgess, Hy. Herbert Philip
 Burmester, John Wm. Stanley,
 F.R.I.B.A.
 Burrows, Alfred John

Burton, Reginald Robert
 Buss, Harold George
 Bywaters, Percy
 Cable, James, M., A.R.I.B.A.
 Caesar, Charles Edward
 Callow, George Daniel
 Carless, Thomas James
 Carpenter, Alfred Joseph
 Chappell, Frank Richardson
 Chidgey, Hugh Thomas Arthur
 Child, Lt.-Col. Henry John
 Cima, Gerald Joseph
 Claridge, William David
 Clark, Alfred Henry
 Clarke, Ernest Seymour, Capt.
 Clarke, Percy Henry
 Clutton, John Henry
 Cole, Francis Joseph, M.B.E.
 Cole, Herbert Covington,
 Colonel, C.B.E.
 Commin, Frederick James
 Corderoy, George
 Cotterell, Albert Player Isaac,
 M.I.C.E.
 Coy, Fredk. Wm. Foster
 Cross, Arthur George
 Cruwys, Robert
 Dadd, Chas. John Thomas
 Darch, John
 Davidge, William Robert,
 F.R.I.B.A., A.M.I.C.E.
 Davis, William Edward
 Deacon, Thomas Mark
 Dearle, William Walker
 De la Quintana, Carlos Ygnacio
 Elias
 Dendy, William Cooper
 Dinwiddy, Donald
 Dollar, Peter, A.R.I.B.A.
 Douglas, Jas. Wightman, Major,
 D.S.O.
 Downing, Frederick
 Downing, Hy. Philip Burke,
 F.R.I.B.A., F.S.A.
 Drower, Edmund Gilbert
 Drower, John Edmund, C.B.E.
 Egerton, Hubert Decimus
 Elton, Percie Ian, A.R.I.B.A.
 Endicott, Albert
 England, Harry
 Evans, Edwin Dudley
 Eve, Sir H. Trustram, K.B.E.
 Eyles, Charles Henry
 Fairchild, Edward James
 Farmer, Hugh Cecil
 Faux, Charles James
 Few, Harry Edward
 Field, Charles Roland
 Fielder, Charles Lavington
 Ford, Richard Dickins Lancelot

LONDON BRANCHES—*continued.*

- Foster, Henry Helm
 Fowler, Cyril James
 Francis, George Futvoye
 Frank, Sir Howard, Bt., K.C.B.
 Gairdner, Edwd. James
 Gayer, Alfred Edward, Major, M.C.
 Geen, Walter, M.A. (*Cantab.*)
 Gifford, Egmont Augustus
 Giller, Charles Fredk.
 Gledhill, Sidney Verity
 Glover, Henry Alexander
 Godding, Frank Horatio
 Graham, Henry Cecil
 Griffin, Harold
 Griffin, Harold, Junr.
 Gripper, John Bell
 Hale, Harry Barnes
 Hale, Raymond Henry
 Hall, W. J.
 Hall-Jones, Fredk.
 Hamlyn, John Arthur
 Harcastle, Fredk. Hy. Appleton
 Harris, Douglas
 Haskins, Frederic Cyril, Major
 Hayward, Thos. Wm. Alfred,
 A.M.I.C.E., M.I.M.E.
 Healing, Oswald Judd
 Henniker, Fredk. Sibert
 Hodges, Arthur Pool
 Hookey, Reginald Edward
 Hooper, Augustus Shelton
 Hovenden, Jack Reginald
 Howard, Alfred
 Hughes, George, Major
 Hugman, Charles Eady
 Hunt, Frank Wm.
 James, Frederick John, M.B.E.
 James, Merton John
 Jenkinson, William Wilberforce
 Johnson, Bernard Marr
 Johnson, Henry James
 Johnstone, John Thomas
 Jones, Percy Everley
 Jones, Thomas, M.I.C.E.
 Kirk, John Wright
 Knibb, Fredk. Chas., O.B.E.
 Knight, Fredk Wm.
 Knowles, George Potter, M.B.E.,
 B.Sc., A.M.I.C.E.
 Lambert, Edwin Emmanuel
 Leather, George Herbert
 Leest, Fredk. Chas.
 Leonard, E.
 Long, Leland
 Lunn, W. H. H.
 McIlwraith, John Forsyth
 Madge, Wilfrid
 Maltby, Charles Midlam
 Mann, J. Bagshaw
 Martin, Howard
 Meacher, Edmond, Major
 Melrose, Frank
 Mendham, John Bernard
 Merrett, Harold Thrift
 Morris, Richard Percival
 Mumby, Thomas Neville
 Camomile
 Myers, Albert Robert
 Naylor, John Stuart
 North, George
 Overall, Edmund
 Palmer, Wm. Edwd. King,
 A.R.I.B.A.
 Parker, John
 Parr, Eustace Tolefree
 Parry, Albert Edward
 Patching, Edwd. Glencairn
 Paul, Andrew
 Peel, Edward Laurence
 Pepler, George Lionel
 Perks, Hugh Earl
 Phipps, Frederick Reginald
 Pinks, Edwin Charles
 Porter, Sydney Lawrance
 Powell, Fredk. Atkinson
 Price, Richard Arnold
 Prichard, Thos. Francis Vaughan
 Raven, Henry
 Rawlence, Duncan Alfred
 Reekes, Charles Rupert
 Remnant, Archibald Charles
 Rice, Edward
 Richards, Arthur Walter Trollope
 Richardson, Oliver Archer
 Riddle, Fredk. Henry Brimble
 Riley, Henry
 Rogers, Arthur Mechelen, Major,
 S.R.E.S.
 Rogers, Horace Mordaunt
 Rogers, Vivian Burry, Major, D.S.O.
 M.C.
 Ross, Percy Havery
 Ruddie, Fredk. Chas.
 Ryde, Arthur Lyon
 Ryde, Edwd. Humphrey Noel
 Sabin, Joseph Henry
 Sadler, Geo. Wm., A.R.I.B.A.
 Salmond, Stewart
 Sanderson, Wm. Waite, C.B.E.
 Sargent, Frank Ellison
 Selby, Ernest Harry
 Selwyn, William Ingram
 Shepherd, William
 Sherwin, Henry Edward
 Sherwin, Joseph Henry
 Silvester, George
 Skipper, Henry Herbert, M.B.E.
 Smith, Jonas Walker
 Smith, Percy Pyne Caldecott,
 O.B.E.

LONDON BRANCHES—*continued.*

Smyth, John Henry
 Sneath, Frank Edgar
 Spensley, James Calvert, O.B.E.
 Staley, Frank Geoffrey, Capt., R.E.
 Stanford, George
 Stevens, Charles Vivian
 Stevens, Wm. Fredk. Hood
 Steward, Clifford Thomas
 Steward, Herbert Arthur
 Stewart, Clifford Thomas
 Stewart, Harry S., A.R.I.B.A.
 Tanner, Rudolph
 Taylor, Arthur Wm.
 Taylor, John James
 Taylor, Wm. Ling
 Terry, Frank Treacher
 Thomas, Charles John Howell
 Thompson, Frank Cowburn
 Thurgood, Leonard Fielder
 Thynne, Guy Harry
 Thynne, Reginald Lambert
 Tinslay, Thomas Percival
 Tracy, Chas. Fredk.
 Trench, Gilbert Mackenzie
 Trollope, Henry Charles
 Turner, Hamilton Hall
 Tyas, Frederick C.
 Waghorn, Gilbert
 Wakeford, Arthur James
 Walder, W. S.
 Wapshott, Francis Ellis
 Watson, Ernest
 Webster, Frank Coutts, O.B.E.
 Weston, Francis
 Wheeler, Francis West
 Whitaker, Fredk. Archibald
 Whitton, George Jackson, M.B.E.
 Widdowson, George Clifford
 Wilson, Fredk. Robert
 Wreathall, Robert T.

PROFESSIONAL ASSOCIATES.

Abrams, George Herbert
 Adams, Herbert
 Addey, Frederick Arnold
 Arscott, Leonard Charles
 Arnold, Arnold Keith
 Back, George
 Bain, Archibald Williamson
 Baker, Alfred Barnett
 Bates, Leon Rodwell
 Bathurst, Frank Victor
 Batzer, Albert Edward
 Beckham, Arthur Arkell
 Bennett, Reginald Henry Wapshott
 Blake, John Patrick
 Bond, Cyril Henry Charles
 Bosher, Victor Evans
 Bourdas, Arthur Frederick

Breton, Bertram Walter Frederick
 Briggs, Alfred Denbigh
 Briggs, George James, Junr.
 Briggs, John
 Brittenden, James Edward
 Brown, Arthur Frederick
 Brown, Leonard John
 Bull, Thomas Henry
 Buller, Frederick Arthur
 Burge, Arthur John
 Carless, James Kingdon
 Carter, Charles
 Carter, John Edward
 Castell, Douglas Charles
 Cattlin, Osmond, A.M.I.C.E.
 Clarke, Vincent Cooper
 Clemens, William Cecil, A.M.I.C.E.
 Cobb, Henry Alfred William
 Coffin, Bertram Gilbert
 Cole, Frederick William
 Collard, Percy William
 Cooper, Cecil Francis Adrian
 Cresswell, John Theodore Ross
 Curtis, Frederick John
 Davey, Edwin Clissold
 Davies, Thomas Walter
 Davis, R. W. J.
 Davis, William Winwood
 Davy, Clifton Robert
 Dawkins, Albert James
 Dickie, Albert George
 Dodgshon, Edmund Charles
 Drew, Sydney Vernon
 Driver, Ellis Samuel
 Duff, Robert Duncan
 Dunt, John Harlow
 Elliott, Reginald
 Emery, George Montagu
 Everett, Arthur Sherman
 Flood, Alfred William
 Foat, Harry Alex.
 Foster, Gaius
 Fox, Walter Edward.
 Franklin, Herbert John
 Freeman, Frank Condy
 French, A. Martin
 Gayer, Alfred Edward, Major, M.C.
 Gerrard, George
 Gledhill, James Herbert
 Goodchild, Walter Charles
 Grant, Leslie Thomas
 Grimwade, Frederick Clive
 Grove, Richard Thomas
 Hames, Percival James
 Hamilton, James Eastwood.
 Hannan, Guy Norton
 Hannon, John Michael
 Harding, George Pool
 Harrington, Charles Poland
 Harris, Charles Francis Norman

LONDON BRANCHES—*continued.*

Harris, Wilfred Henry
 Harris, William Murray
 Harvey, William Ayton
 Haynes, Arthur Edward Norman
 Hayward, Arthur Baldwin
 Head, William Alfred
 Heath, Sidney Howard
 Henderson, Percy Charles
 Hendra, Albert John
 Henry, Edward Hugh
 Hodson, Frederic Henry
 Holmes, John Edward
 Hooper, Arnold Fielder
 Horder, Gerald Morley.
 Hosking, Thomas Stanley
 Howell, Charles Gordon
 Hughes, Ernest William
 Hutchings, Sir Alan, K.B.E.
 James, William George
 Janes, Walter Joseph
 Johnson, Albert Percy
 Johnson, Percival Leonard
 Joyce, Horace Francis
 Kent, Stanley Henry Gladstone
 Kibblewhite, Henry James Tre-
 leaven
 King, Dudley Bertram
 Ladd, Walter Willoughby
 Laker, William John
 Lamprill, William Thomas
 Lane, Frederick Charles
 Laweson, Ray Carlon
 Le Grand, Cecil Wren
 Lickis, Leonard
 Lister, Sidney Albert
 Lockhead, Arthur Sydney
 Logsdon, Horace Stewart
 Machattie, John Macintosh
 Mager, Sydney, C.B.E.
 May, Frank Sidney Edward
 Meredith, Percy William
 Merrett, James
 Meysey-Thompson, Algar de C. C.
 Miller, Frederick William
 Mills, Henry Graham Hunt
 Mitchell, William
 Moody, Francis Tyrell
 Morgan, Herbert Woosnam
 Murray, Arthur Malcolm
 Myhill, Frederick Robert
 Newman, Walter Philip
 Nicholson, Thomas
 Nutchey, Edward A.
 Nye, George Vincent
 O'Connell, Patrick Joseph
 Oliver, Harry Hutt
 Oram, Emmanuel Joseph
 Parker, John
 Parnacott, Arthur Charles
 Parratt, Albert Martin

Parrott, Hugh Francis Vivian
 Payne, Frederick George
 Pearce, Stephen Harvey
 Pearson, Frederick George
 Percival, Alexander William
 Phillips, William George
 Phillips, William Ritchie, Capt.
 Pidgeon, Frank Allen
 Porter, Harold
 Power, Richard Reilly
 Price, Capel Hereward
 Price, Gilbert Rhys
 Quarmby, Charles David
 Rampton, Frederick
 Ramsay, Ernest William
 Ramsay, Weston
 Read, Albert Edward
 Reed, Frank Underhill
 Richardson, Frederick
 Riley, Charles H.
 Robbins, Walter Francis
 Robinson, Joseph Temple
 Robinson, Leslie
 Rossiter, Edward Thomas
 Rowell, Clifford William
 Runtz, Ernest Munro
 Sharp, William Alfred
 Sherwin, Cyril Joseph
 Simpson, Victor H.
 Skeen, Ernest Alexander
 Smith, Ernest Disraeli
 Smith, Frederick Dukes
 Spencer, Francis Augustus
 Stapleton, George Aubrey
 Stevens, Gilbert Major
 Stevens, Roland Honyel
 Stimson, Douglas Cecil
 Stimson, Edward Frederick
 Stimson, Herbert Percy
 Stockings, Arthur Perry, Major,
 C.B.E.
 Stott, Charles Granville
 Strachan, Robert Gordon
 Stretton, John William
 Surrey, Christopher William
 Swan, Harrold
 Swinstead, Bernard R.
 Talbot-Ponsonby, Arthur Hugh
 Brabazon
 Taplin, George Aubrey
 Templeton, Stanley James
 Thomas, Alfred William
 Thomas, Bernard Campbell
 Thomas, Wm. Reginald
 Thompson, Alfred Alexander
 Thompson, Arnold John
 Thompson, Frederick William
 Thornley, Harold Victor
 Tobias, Maurice
 Trollope, Francis Henry Moore

LONDON BRANCHES—*continued.*

Trowbridge, Frank William
 Tydeman, Arthur Edgar
 Veit, Leonard James
 Ward, Lionel Eric
 Warder, Donald
 Waters, Albert Edward
 Watts, Frederick Spring
 Weaver, Lionel Hunter
 Webb, Frederic Noel
 Wells, Reginald George
 West, Terence Colin
 Westrope, Victor Russell
 Wheeler, Ernest Bostock
 Whitney, Eustace Scott
 Whittington, Harold Norman
 Wickenden, Arthur Fred
 Wilkes, George Thomas
 Wilks, Mark
 Windemer, Olaf Sydney
 Wood, Arthur John
 Woolcock, William Thomas Hilly
 Yates, Frederick George
 Young, Herbert Henry

ASSOCIATES.

Barry, Charles Edward
 Courthope, George Lloyd, Lt.-Col.,
 M.C., M.P.
 Dibdin, Lewis George
 Graham, W. Vaux, M.I.C.E.
 Grantham, Richard Fuge,
 M.I.C.E.
 Gwyer, Maurice Lenford, C.B.
 Hamer, Herbert, Major R.E.
 Page, Ernest, K.C.

COLONIAL FELLOWS.

McCaw, George Tyrrell, B.A.I.
 (*Dublin*).

PROBATIONERS.

Eve, John Douglas Trustram
 Maynard, Gerald Earle
 Pilkington, John Mulock

STUDENTS.

Adams, Donovan Guy
 Aphthorp, Arthur Leonard
 Bishop, William Thomas
 Chambers, Holroyd Ferris
 Dignasse, David Rex
 Hoddy, Albert Arthur Victor
 Morgan, Geoffrey Frank John
 Willoughby, Donald Nelson
 Young, George Henry

EASTERN LONDON
BRANCH.

Comprising the City of London and the
 Boroughs of Bermondsey, Bethnal
 Green, Camberwell, Deptford, Finsbury,
 Greenwich, Hackney, Lewisham, Poplar,
 Shoreditch, Stepney, Stoke Newington,
 and Woolwich.

FELLOWS.

Adams, Henry, M.I.C.E., M.I.M.E.
 Arno, Samuel
 Ashbridge, Prentice Moore
 Aylen, Cecil Hugh
 Baddeley, Bernard Beresford
 Ball, Adam John Loughborough
 Ball, Adam Kirk
 Ball, Charles Edward
 Barns, Stephen Allen, M.B.E.
 Bartholomew, Charles Fredk.
 Barton, Sydney Fredk.
 Batstone, Rowland Robert
 Baxter, George
 Beadel, Maurice Frederick
 Bevan, Septimus
 Biggs, Walter Woodbridge
 Bliss, Francis George
 Blomfield, Charles Edward
 Boustred, Henry Norman
 Breach, Benjamin T'Anson
 Brock, Frederick Willie
 Brooks, John McMullen
 Brooks, Philip Fuller
 Brown, Edwd. Otto Foster
 Brown, Frank
 Bull, Walter
 Burn, Sir Joseph, K.B.E.
 Burnett, Sir David, Bart.
 Burnett, Leslie Trew
 Burr, Fredk. Malcolm
 Burr, Thomas Arnold
 Cantlay, Robert Wm.
 Chandler, John
 Chapman, Arthur Henry
 Charles, Richard Stafford
 Christy, Archibald Ernest
 Clarke, Stanley Chatfeild
 Clarkson, Wm.
 Clarkson, Wm., Junr.
 Collier, Henry Hewett
 Collins, Marcus E.
 Conder, Alfred, F.R.I.B.A.
 Cooper, John Robert
 Courtenay, Charles Philip
 Cranfield, William Bathgate
 Creasey, John Rogers, Junr.
 Culver, Herbert George
 Dangerfield, Thomas Samuel
 Dannatt, Percy Boothroyd,
 A.R.I.B.A.

LONDON BRANCHES—*continued.*

Daubeney, Charles Archibald,
A.R.I.B.A.
Davey, John
Daw, Herbert Warwick
Daw, William Herbert
Dawes, George William Francis
Desch, E. C.
Dibdin, Robert John
Drew, Stanley Thomas
Duncan, James Morrison
Dunn, Sir Wm. Hy., Bart.
Dunsmore, Gilbert
Durlacher, Alex. Percy, M.I.C.E.
Dyball, Harvey
Dyer, William Fanstone
Dyer, William John
Eamer, Alfred Stanley
Eason, Edwd. William
Ellis, Ralph Staples
Ellis, Richard Adam
Eve, William Harold
Everington, John
Fagg, Wm. Courtney
Farnan, Henry Richard
Farrer, Fredk. Robert
Flatt, John Alexander
Fletcher, Sir Banister Flight,
F.R.I.B.A.
Ford, Charles John
Fowler, Alfred Charles Stanley
Fox, Sidney Joseph
Franklin, Arthur Thomas
Freeman, Sydney
Gale, Ernest Sewell
Glead, Percival Francis
Glead, Richard Cummings
Goodman, Alfred
Gordon, Alexander
Goulding, Arthur
Gray, Horace Norman
Gray, John Vincent
Green, Fredk. Algernon
Griffin, Alfred
Griffin, Harold
Griffin, Harold, Junr.
Hammond, Frederic Snowden
Haskins, Wm. Albion
Heath, Henry Cubitt
Heathcote, Ernest Grigg,
F.R.I.B.A.
Hewitt, Frank
Hickson, Stephen Westby
Hobday, Wm. Henry
Hobson, Fredk. Wm.
Hobson, Reginald Beresford
Holman, George Edward
Holmes, Montagu Price
Hood, Herbert Charles
Hood, Walter Richard
Horsey, Fredk. John Terry

Hovenden, Henry Edwards
Howland, Arthur Frank
Huggins, Ernest George
James, George Charles
James, George Ernest
Jenkinson, Wm. Eric Leigh
Jennings, Daniel Strachan
Johnson, Henry
Jones, Wm. Campbell
Joseph, Delissa, F.R.I.B.A.
Kent, Geo. Nathaniel
Kersey, Alex. H., F.R.I.B.A.
Knight, Edgar Walsh
Knowles, Leslie S.
Lamond, John, A.M.I.C.E.
Lancaster, John Roy
Lang, Augustus Bernard Dash-
wood
Langley, Frank Curtis
Langridge, Walter Fredk.
Lovegrove, Gilbert Henry,
F.R.I.B.A.
Lowries, William J.
Lucas, Arthur Littlejohns
Luffingham, Wm. John
Mackenzie, Charles E.
Marks, Hyman
Mathews, Joseph Douglass,
F.R.I.B.A.
Matthews, H. S.
Mercer, Charles Edwd.
Monekton, Henry Percival,
F.R.I.B.A.
Monson, Edwd. Chas. Philip,
F.R.I.B.A.
Moore, Alfred
Morter, Henry Arthur
Newman, Arthur Harrison,
F.R.I.B.A.
Nicholson, Wm. Abernethy
Notley, Richard Albert
Nunn, Samuel Thomas
Oakley, Christopher Percival
Ovenden, Charles
Ovenden, Harry
Oxley, Harold
Palmer, Frederick Charles
Palmer, Fredk. Charles Richard
Parnwell, Sidney Arthur
Parr, Samuel George
Perkins, Samuel Barclay
Perks, Sydney, F.S.A., F.R.I.B.A.
Peters, James
Porter, Oliver John
Preston, Samuel David
Pridmore, Albert. Edward
Protheroe, Alfred Ernest
Purvis, Charles James
Rawlins, Henry Adair, A.R.I.B.A.
Rawlins, William

LONDON BRANCHES—*continued.*

Read, Ernest James
 Read, Francis Charles Jennings
 Rhodes, James Norman
 Rice, Benjamin Louis
 Richards, Walter Rowe
 Richardson, Arthur Bayliffe
 Ridley, Percy Edward
 Rubens, Harry Isaac
 Russell, Humphrey Gladstone
 Rutley, Frank
 St. John, Louis Fredk., Capt.
 Salmon, Joseph Harold, M.B.E.
 Sands, Hubert Covell,
 Lic.R.I.B.A.
 Saunders, Martin L., A.R.I.B.A.
 Sayer, Henry Taylor
 Sedgwick, Percy George
 Sheffield, Noel Dennis
 Slade, James Benjamin
 Smallman, Hy. Richard George
 Strong
 Smith, Charles Gordon
 Smith, Frank Adams, F.R.I.B.A.
 Spencer, George
 Stanham, George Gordon
 Stanley, Harry Merridew
 Stenning, Sir Alex. Rose,
 F.R.I.B.A.
 Stephenson, George
 Stevens, John Wm., A.R.I.B.A.
 Stevens, Nicholas Richard
 Stoner, Alfred Hills
 Story, Philip Francis, Lt.-Col,
 D.S.O.
 Taylor, Alfred Cecil
 Tee, Samuel Clifford
 Thomerson, Albert
 Thompson, Arthur Edmund
 Tomlin, Francis Ferrier
 Trent, Wm. Edward
 Tubbs, Walter Burnell
 Tuckett, Percival Fox
 Tyler, James William
 Veale, Louis Charles
 Vernon, Arthur
 Vernon, Arthur Stanley
 Vigers, Astley Allan
 Vigers, Geoffrey Leslie
 Vigers, Leslie Robert
 Wagstaff, Frederick Howard
 Walker, Samuel
 Waters, Frederick Ebenezer
 Watney, Arthur Gordon
 Watney, Daniel
 Watney, Dendy
 Webster, Hugh Calthrop
 White, Benjamin William
 Whiteley, Charles Perry
 Whiteley, Cyprian Charles Oswald,
 Capt., O.B.E.

Wickstead, A. F.
 Wildman, John T. R.
 Wilson, Everard John
 Wootton, Thomas Sydney Lewis
 Wright, Herbert Alfred
 Wright, Wm. Newcombe
 Wyles, John Walter
 Young, Charles Alex.
 Young, Douglas
 Young, Ernest Alexander

PROFESSIONAL ASSOCIATES.

Allen, Oliver Wylie
 Andrews, Ronald Seymour
 Andrews, Stephen Hampton
 Andrews, Wm. Charles
 Appleyard, Sidney Walter
 Atkin-Berry, Herbert Courtenay,
 D.S.O., M.C.
 Atkins, Arthur Edward Alan Martin
 Bailey, Victor
 Baker, Ernest Samuel
 Ball, Francis Leopold
 Banks, Edwd. John Stanley
 Batstone, Walter Waterfield
 Baxter, George Coulson
 Bayden, Edward
 Bedwell, Ernest Charles
 Bennett, Arthur Thomas
 Blackburn, Lionel Charles
 Blanks, Arthur Albert
 Blow, Thomas Bertram
 Brockelbank, Colin Turner Sey-
 mour
 Brown, Frank
 Bryan, Arthur
 Burrows, Edwd. Crawford, Major,
 M.C.
 Burton, Walter William
 Canham, Ernest Reginald
 Cass, Alexander James
 Chalcraft, Henry Terrell
 Chamberlain, Walter Ernest
 Chandler, E. H.
 Cheeswright, Frederick Cecil
 Chipp, George
 Clark, Alexander Neilson
 Clark, Louis Van
 Coker, Harry Reginald Ellis
 Colbeck, Henry, A.R.I.B.A.
 Commander, Chas. Curtis
 Cross, Clement
 Cunningham, William Frederick
 Dabbs, Douglas William
 Davenport, Herbert
 Day, Stanley Ernest
 Ellyatt, George Frederick
 English, Harry Edwin
 Featherstone, Frank Marshall

LONDON BRANCHES—*continued.*

Fitness, John Francis
 Ford, Francis Curtis
 Foster, Walter Laurence
 Francis, Bernard
 Freuer, William Samuel
 Fulcher, Christopher Turtill
 Galsworthy, Vincent Somers
 Garrett, Arthur Berry
 Gasson, Norman
 Gay, Frank
 George, Frederick Albert
 Gibson, Edwin Salter
 Gilbert, John Sainsbury
 Gleed, Herbert Alexander
 Goodwin, Henry Ernest
 Gowland, Stephen Leversha
 Grant, John Yates
 Greenway, Archie Ernest.
 Hamilton, John Paynter
 Hawkins, William Joseph
 Haynes, Herbert Cecil
 Healy, Harry Prince
 Hearn, George Leonard
 Hellicar, George Thomas
 Hill, William Archibald
 Hills, Walter Vaughan
 Hipkin, John
 Hobson, Frederick Vachell
 Hosgood, Ralph Brian
 Isitt, Frederick Harvey
 James, Herbert Cecil
 Jarvis, Louis John Wallace
 Jenkinson, Samuel Stewart
 Jones, Arthur Bayly
 Jones, Owen Campbell
 Jones, Walter George
 Kemsley, Norman Bolton
 Kemsley, William Hugh
 Kennard, Cecil
 King, William Isaac
 Knight, Robert Maltman
 Laird, Walter Ross
 Lamble, William Herbert
 Lawes, Edgar
 Leach, William Austin
 Legg, Kenneth Bolton
 Leslie-Carter, William Cass
 Lewis, Arthur Llewellyn
 Ling, Richard Bertram, A.R.I.B.A.
 Little, Henry
 Long, Alfred Charles
 Mallett, Roy Terence
 Mann, Alfred Henry
 Mann, Dudley Septimus
 Marcus, William Mortimer
 Marns, Albert Henry
 Mennie, Frederick Edward,
 A.R.I.B.A.
 Milnes, Robert
 Moody, Walter Norris

Moore, John Alfred 7
 Moore, Richard Charles
 Morris, Alexander George
 Morris, Ellis
 Newman, Percival Corney,
 A.R.I.B.A.
 Nicholson, Ebenezer Bernard
 Nicol, Frank Claude
 Noble, Walter Hubert
 Nunn, Cecil George
 Offlow, Arthur Rowland
 Owen, Wilfrid Scotter
 Page, Alan Cawthorn
 Page, Bernard Culmer
 Palmer, Arthur
 Panario, Francis Michael
 Parratt, Oswald Escott
 Paul, Francis
 Perkin, Daniel Ward
 Pinfold, Francis Arthur
 Pipe, Henry James
 Pusser, Daniel Robert
 Robertson, Hubert Alexander
 Roper, John William
 Ruddle, George William
 Scantlebury, Wm. Seth
 Scriven, John Pearce
 Scrutton, Frank Seymour
 Seller, Frank Russell
 Skelt, Frederick Mitchell
 Skingle, Alfred Charles
 Smith, Alfred Ernest
 Stone, George Sarbatt Noke
 Symes, James Gordon
 Thompson, Roland O'Brien
 Thorpe, Arthur Ralph
 Titchmarsh, Stanley Ray
 Walker, William Selves
 Walter, Sydney James
 Watney, Ronald Dendy
 Whitaker, Stephen Edward
 Wilde, Sidney Algernon
 Wilson, John Hayes
 Winbourne, Goodman George,
 A.R.I.B.A.
 Wonnacott, Howard John
 Woods, Henry Edward Anzani
 York, Robert John

ASSOCIATES.

Beale, Sir John Field, K.B.E.
 Beale, Sydney William Phipson
 Booth, Ernest Witton, M.B.E.,
 A.M.I.C.E.
 Boyle, Sir Edward, Bart.
 Carr, Arthur Stretbell Comyns
 Courthope-Munroe, Sir Harry, K.C.
 M.A. (*Cantab.*)

Crouch, James Leonard

Ford, Solomon

Hills, Eustace Gilbert, K.C.

Hudson, Alfred Arthur, K.C.

Jeeves, William John, K.C.,
C.B.E.

Macassey, Sir Lynden Livingstone,
K.B.E., K.C.

Mead, Lawrence

Mould, Graham Harley

Thorne, Richard Squire, B.A.
(*Cantab.*).

Turner, Sydney George, O.B.E.

Watson, William Ernest

COLONIAL FELLOWS.

Chalmers, James Sutherland

Rao, Anantha Krishna

PROBATIONERS.

Donaldson, Victor Cecil

Foulger, Frank

Hudson, Alan Albert

Mann, Alfred Leonard

Mathews, F. G. D.

Pinnell, Henry James

STUDENTS.

Briselden, Frank George Ambrose

Bull, Walter Edward Avernion

Butler, Leslie Turley

Chamberlain, Norman Vincent

Ellis, Owen William

Jackson, Roy Giffard

Smith, Leonard

Trotman, Eric Cecil

COLONIES AND FOREIGN COUNTRIES.

AFRICA.**BRITISH EAST AFRICA.****CHANIA BRIDGE.**

Professional Associate :—
Colliver : Arthur Henry.

KENYA COLONY.

Professional Associate :—
Wickham : Cedric Humphrey.

KISUMU.

Fellow :—
Action : William Birchall.

MOMBASSA.

Professional Associates :—
Campbell : Charles Howard.
Gibson : Alan Keith.

NAIROBI.

Fellows :—
Lynde : Walter Mighells.
Weyll : Alfred Edward.
Professional Associates :—
Crundall : William Henry.
Giles : Charles Malcolm.
Grogan : Harold Keith.
Hall : Cyril Albert.
Willis : Stanley Scott.

Colonial Fellow :—
Tanner : William Hugh.

NAKURU.

Professional Associates :—
Avey : John William, N.D.A.
Eames : Legh Fairfax.

CAPE COLONY.**CAPE TOWN.**

Fellows :—
Babbs : Arthur Thomas.
Wrennall : Walter.

Professional Associate :—
Darvill : Douglas Harry.

Colonial Fellows :—
Labdon : Herbert George.
Menmuir : Robert William.
Thompson : William Glossop.

EAST LONDON.

Professional Associate :—
Sale : Arthur Reed.

PORT ELIZABETH.

Colonial Fellow :—
Pike : John Percy.

EAST AFRICA.**DAR-ES-SALAAM.**

Colonial Fellow :—
Allen : Raymond Cecil.

UGANDA.

Professional Associate :—
Thomas : Frederick Mowbray.

EGYPT.**ALEXANDRIA.**

Professional Associate :—
Wadman : Albert John.

CAIRO.

Fellow :—
Farthing : William Walter.
Professional Associate :—
Rean : William Henry, O.B.E.,
A.M.I.C.E., M.I.M. & C.E.

GIZA.

Fellow :—
Sheppard : Vivian Lee Osborne.
Professional Associate :—
Phillips : Cuthbert Emrys Vaughan.

MANSURA.

Professional Associate :—
Wardill : Herbert Roy.

RAS-EL-KHALIG.

Professional Associate :—
Skitt : Rowland Colley

SOUDAN.

Colonial Fellow :—
Lowden : Andrew.

TOR.

Professional Associate :—
Speakman : John McClure.

LOWER EGYPT.**DAMANHUR.**

Colonial Fellow :—
Heald : Harry Mair.

NATAL.**DUNDEE.**

Professional Associate :—
Covernton : Christopher Alan.

NYASSALAND.**BLANTYRE.**

Professional Associate :—
Hall : Ernest William.

LIMBE.

Professional Associate :—
Harwood : Walter.

COLONIES AND FOREIGN COUNTRIES—continued.

ORANGE RIVER COLONY.

BLOEMFONTEIN.

Professional Associate :—
 Usher : William Arthur.
Colonial Fellows :—
 Harrison : William.
 Wallace : Herbert Alexander Craig.

PORTUGUESE EAST AFRICA.

CHINDE.

Professional Associate :—
 Browne : Eustace Montague.

RHODESIA.

LIVINGSTONE.

Professional Associates :—
 Hartland : Kenneth Wright.
 Ivey : Frederick Percival.
 Tivy : Ryder Vaughan.

MAZABUKA.

Colonial Fellow :—
 Browning : Sydney Broderick.

SALTSBURY.

Professional Associates :—
 Dawson : Eric James.
 Hotson : Andrew.

UMBALI.

Colonial Fellow :—
 Dickson : Reginald Herbert Bruce.

TANGANYIKA.

Professional Associate :
 Pashen : John Herbert.

TRANSVAAL.

JOHANNESBURG.

Fellows :—
 Farrow : E. Bertram.
 Quail : John.
Professional Associates :—
 Hickman : Frank Davis.
 Stucké : William Henry, A.R.I.B.A.

Colonial Fellow :—
 Bell-John, Harry, Captain, M.C.

PRETORIA.

Fellows :—
 Maunder : Henry Newman.
 Moore : Thomas.
 Turner : George Eli.
 White : Everard.
Professional Associate :—
 Holt : F. Bransbury.
Colonial Fellows :—
 Cowling : John William.
 Howgrave-Graham : George Ernest.
 Puntis : Walter Ernest, Major, O.B.E.
 Warne : William Montague.

UGANDA.

UGANDA.

Professional Associate :—
 Gee : Arthur Harold.
 Hart : Arthur Reginald Glendower.
 Spencer : Albert Edward.
Colonial Fellows :—
 Allen : Raymond Cecil, C.M.G.,
 A.M.I.C.E.
 Fitt : Thomas Freeman.

WEST COAST.

ACCRA.

Professional Associate :—
 Box : Stephen Thomas.

CAPE COAST.

Colonial Fellow :—
 Parrott : Charles Clayton.

COOMASSIE.

Professional Associate :—
 Thomas : Ernest James.

GAMBIA, BATHURST.

Fellow :—
 Stone : Arnold.
Professional Associate :—
 Hollis : Herbert, A.M.I.C.E.

GOLD COAST.

Fellow :—
 Gayton : Harold
Professional Associates :—
 ApThomas : Robert Tibbot Kerris.
 Grover : Luke Montagu.
 Nash : Eugene Fleetwood.
 Saward : Sidney Carman
Colonial Fellow :—
 Dalton : Herbert Bates.
 Liddett : Basil Perry.
 Wilson : George Harold Sumner.

LAGOS.

Professional Associates :—
 Larrett : Stanley Arthur.
 Scott : William Easton.

NORTHERN NIGERIA.

Colonial Fellow :—
 Cousin : Robert.

NORTHERN TERRITORIES.

Colonial Fellow :—
 Renshaw : James C.

SIERRA LEONE.

Professional Associate :—
 Stanley : George, A.M.I.C.E.
Colonial Fellows :—
 Bradshaw : Arthur Stanley.
 Lake : Wallace Strickland, A.M.I.C.E.
 Price : Owen Gordon.
 Scotland : Douglas William.
 Temple : Richard, Jun.

AMERICA (CENTRAL).

BRITISH HONDURAS.

Colonial Fellow :—
 Usher : Charles Richard.

WEST INDIES.

BAHAMAS.

Colonial Fellow :—
 Miller : William.

COLONIES AND FOREIGN COUNTRIES—*continued.*

GRENADA.

Professional Associate :—

Bertrand : Walter Randolph.

JAMAICA.

Professional Associates :—

Biscoe : Robert Stafford.

Bowker : Harold Walter.

Colonial Fellows :—

Abraham : Percy Lyons.

Abrahams : Charles Victor.

Baker : William Anthony.

Bancroft : Augustus Charles.

Fletcher : Josiah Monk.

Foster : Edward.

Galt : Ralph Templeton.

Hood-Daniel : Herbert.

McGahan : Amos Harvey.

Pearson : Turner Langbridge.

Rickman : Ralph Etwall.

Willoughby : Hugh Michael.

PHILIPPINE ISLANDS.

Colonial Fellow :—

James : John Godfrey.

ST. KITTS NEVIS.

Colonial Fellows :—

Rowbotham : Jonathan Alan.

Smith : James Landreth.

ST. LUCIA.

Colonial Fellow :—

McNamara : Rupert Augustus.

TRINIDAD.

Professional Associates :—

Livingston : William.

Martin : David Burn.

Prevatt : Francis Christophe.

Colonial Fellow :—

Macgillwray : John Walker.

WEST INDIES (GENERAL).

Fellow :—

Brinsley : Herbert George Wil-son
M.C.

AMERICA (NORTH).

CANADA.

BRITISH COLUMBIA.

Professional Associates :—

Mason : Francis Scott.

Seale : Percy James.

MANITOBA.

Fellow :—

Watts : Ernest William.

ONTARIO.

Fellow :—

Adams : Thomas.

Professional Associates.

Clemon : James.

Skeffington : Thomas Ashford.

SASKATCHEWAN.

Professional Associates :—

Benson : Ralph Francis.

Genders : Percy Robert.

Parker : Howard.

MEXICO.

TAMPICO.

Professional Associate :—

Bartlett : Reginald Douglas.

UNITED STATES.

CALIFORNIA.

Colonial Fellow :—

Burchell : Sidney Herbert.

NEW YORK.

Professional Associate :—

Geddes : Joseph William.

JERSEY CITY.

Professional Associate :—

Baines : William Henry.

WASHINGTON.

Colonial Fellow :—

Ward : Patrick James.

AMERICA (SOUTH).

BRITISH GUIANA.

GEORGETOWN.

Colonial Fellow :—

McTurk : William Henry.

ARGENTINE REPUBLIC.

BUENOS AIRES.

Fellow :—

Blencowe : Sydney.

Professional Associates :—

Crossley : Thomas Edgar.

Fitch : Philip.

Lorimer : Gordon.

Lowe : Robert Edward Nicholls.

Colonial Fellow :—

Griffiths : Owen.

CORDOBA.

Professional Associate :—

Sherwin : James Austin.

BRAZIL.

ESTADO DE SAN PAULO.

Professional Associate :—

Steward : George Edward.

CHILI.

CORONEL.

Colonial Fellow :—

Blandford : Stanley Charles Hooper.

Professional Associate :—

Voisey : Percy Deering.

COLONIES AND FOREIGN COUNTRIES—*continued.***ASIA.****ASSAM.****NAZIRA.**

Professional Associate :—
Gardner : Osmond.

BURMA.**THATON.**

Colonial Fellow :—
Nolan : Arthur Patrick.

CEYLON.

Fellow :—
Eastman : Edward George, Capt
O.B.E.

Colonial Fellows :—
Clark : Hudson Owen.
Womack : Oswald Cedric.

AMIRAKAPURA.

Professional Associate :—
Johnston : Robert James.

BADULLA.

Colonial Fellow :—
May : Philip John.

BATTICALOA.

Professional Associate :—
Sims : Nugent Wooleott.

CHILAW.

Professional Associate :—
Metcalf : William.

COLOMBO.

Professional Associates :—
Baker : Frank Leslie.
Loram : John Anning.
Parham : Arthur Douglas.
Vince : Clement Harwood.

Colonial Fellows :—
Blizard : James Mortimer.
Harrison : Hamilton Payn.
Nottage : Percy George.

DIYATALAWE.

Professional Associate :—
Nettelton : Oscar Traves.

KANDY.

Professional Associate :—
Manson : Edward Beresford.

MORATUWA.

Colonial Fellow :—
de Silva : Charles Peter.

CHINA.**HONG KONG.**

Fellows :—
Chapman : George James, Major,
O.B.E.
Kirk : Allan.
Ling, F. J.
Tickle : Arthur George Warnham,
F.R.I.B.A.

HONG KONG—contd.*Professional Associates* :—

Cornell : William Arthur.
Lissaman : Arthur Evelyn.
Lowick : Henry Capell.
Newhouse : Edward.
Reed : Edward B.

Colonial Fellow :—

Wright : Arthur Edgar.

SHANGHAI :*Fellows* :—

Peebles : Philip.
Sparke : Norman Lush.

Professional Associates :—

Halse : Sidney Joseph.
Wheeler : Arthur Carruthers, Capt.
Wilson : George Leopold.

EAST INDIES.**BORNEO.****JESSELTON.**

Colonial Fellow :—
Rose : Ronald Charles.

SARAWAK.

Professional Associate :—
Ermen : Cuthbert Emil Albert.

FEDERATED MALAY STATES.**BATU GAJAH.**

Colonial Fellow :—
Bone : Chandos Eric.

NEGRI SEMBLAN.

Colonial Fellow :—
Lermit : Arthur Alfred.

PAHANG.

Fellow :—
Walker : James William Boyd.

PERAK.

Fellow :—
Bedington : Guy Cyril.

Professional Associates :—

Percy : George Reginald, M.C.
Slater : Arthur James.

SELANGOR.**KUALA LUMPUR.***Professional Associates* :—

Atkin-Berry : Herbert Courtney.
Stubington : Robert Alan.
Stubington : William Henry.

Colonial Fellows :—

Anderson : Henry, A.M.I.C.E.
Edwardes : William Arnold Donaldson
Husband : Charles Thomas.

SEREMBAN.*Professional Associate* :—

Slater : Arthur James.

COLONIES AND FOREIGN COUNTRIES....continued.

STRAITS SETTLEMENTS.

SINGAPORE.

Fellows :—

Grey : George Willis.
Lermit : Alfred William.

Professional Associates :—

Edwards : Sidney James.
Snell : Charles Frederick.

Colonial Fellows :—

Brown : Walter James.
Nicholas : Wilfred Dunstan.
Pennefather : John Pyne.

INDIA

BAMNOLI.

Colonial Fellow :—

Stotesbury : Herbert Charles Wood.

BOMBAY.

Fellows :—

Burge : James Thomas.
Delves : Robert Henry Addington.
Fritchley : Edwin Wollaston.
Grimwood : Herbert George.
Knight : Charles William, Capt. R.E.
Phibbs : Harry.

Professional Associates :—

Stanley : Owen Geoffrey, Capt.
Taylor : Frederick Hale.
Walker, Irwin.

Colonial Fellow :—

Annett : Ernest Taylor.

CALCUTTA.

Fellow :—

Hathaway : Percy William.

Professional Associates :—

Berry : William James, N.D.A.
Westbrook : Bernard Anson.
Westrop : Arthur Richard, Major,
M.C.

Colonial Fellows :—

Barber : Herbert Eustace.
Hingston : Cecil Victor.

Associate :—

Shrosbree : Albert de Bois.

DELHI.

Professional Associate :—

Allison : George Henry.

Colonial Fellow :—

Blomfield : Charles Geoffrey.

DHARWAR.

Colonial Fellow :—

Cooper : J. H. W., A.M.I.M.E., Capt.

HOWRAH.

Colonial Fellow :—

Melvin : William George, A.M.I.C.E.

JUBBEPURE.

Professional Associate :—

Brayshaw : Henry Harcourt.

KASHMIR.

Professional Associate :—

Sharma : Lakshmi Chand

MADRAS.

Colonial Fellow :—

Barker : Howard William.

NAGPUR.

Colonial Fellow :—

Cuerden : Frederick James.

POONA.

Fellows :—

Mirams : Arthur Edward.
Stamper : Thomas Henry Gilborn.

ROORKEE.

Colonial Fellow :—

Gurney : James Stratton.

MAURITIUS.

Professional Associate :—

York : William Henry, Capt. R.E.,
A.M.I.C.E.

PALESTINE.

Fellow :—

Baines-Hewitt : Frederic Thomas, Major
JERUSALEM.

Professional Associate :—

Bennett : Maurice Christmas.

MESOPOTAMIA.

BAGHDAD.

Fellow :—

Royds : George Freeman.

Professional Associate :—

Johnson : Herbert Thomas

BASRA.

Professional Associate :—

Mattick : Herbert.

SIAM.

BANGKOK.

Colonial Fellows :—

Gairdner : Kenneth Graeme.
Michell : John.

AUSTRALASIA.

AUSTRALIA.

BRISBANE.

Professional Associate :—

Spry : William Murray Straddar.

Colonial Fellow :—

Plant : Clifford Ernest.

TH WALES.

Professional Associate :—

Yates : John.

OMER.

Professional Associate :—

Heale : Chas. Henry Rose.

SYDNEY

Fellow :—

Hoskins : Marcus.

Professional Associate :—

Mitchell : Herbert Arthur.

FIJI.

SUVA.

Colonial Fellow :—

Lees : Henry Berry, M.C., A.M.I.C.E.

TASMANIA.

BURNIE.

Professional Associate :—

McGaw : Andrew Kidd.

COLONIAL AND FOREIGN COUNTRIES—*continued.***EUROPE.****BELGIUM.**

Colonial Fellow :—
Needham : Walter William.

CHANNEL ISLANDS.

Professional Associate :—
Collins : James Stanley.

CYPRUS.

Professional Associate :—
Gimson : Martin.

CZECHO-SLOVAKIA.

Professional Associate :—
Madge : Reginald John.

DENMARK.**COPENHAGEN.**

Professional Associate :—
Turner Jocelin Maitland.

FRANCE.

Fellow :—
Morgans : Godfrey Ewart, Lt.-Col.

Professional Associates :—
Doyle : Graham.
Wootten : Charles Stanley.

Colonial Fellow :—
Lavarack : Hamlett Unitt.

GERMANY.

Professional Associate :—
Warren : John Watkin.

GIBRALTAR.

Fellows :—
Pearce : William Henry, A.M.I.C.E.
Thomas : Ernest.

Professional Associate :—
Blyth : Harold King.

ITALY.**VICENZA.**

Colonial Fellow :—
Russell : Ernest, Capt., R.E.

MALTA.

Fellow :—
Dyke : Bernard Frank.

SALONIKA.

Colonial Fellow :—
Fortune : Sidney Herbert, Capt. R.E.



